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Lancaster Farming

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Farmers Protected With New Chester Twp. Ordinance

BY
EVERETT NEWSWANGER
Managing Editor

DOE RUN (Chester)— When the West Marlborough Township supervisors enacted their new zoning ordinance here Thursday evening, they put on the books one of the most unique farmland preservation ordinances in the State. And they did it with reverse psychology and a sympathetic classification of top grade farm soils as a natural resource.

The work on the new ordinance started 11 months ago after citizens in this mostly rural township ask for stronger protection from the urban development headed their way from Wilmington, DE, Chester and Philadelphia.

From this request the township supervisors along with the help of Harry Roth, planning consultant for Gehringer-Roth Associates of Lancaster, and Thomas Martin Jr., Esquire, the township solicitor, began to determine what land was already protected from development with state laws that protect natural resources.

Charles Brosius, chairman of the township supervisors and former dairyman turned mushroom grower who tills several hundred acres in the township, said the supervisors wanted to protect farmland. But instead of parceling the township up into arbitrary pieces or according to special interest wishes, they choose to classify the natural resources in an unbiased chronical that kept land ownership a secret from the planning consultant. "When you protect the natural resources in an unbiased manner, farming will prosper," Brosius said.

Not only was the township studied according to soils, ground water, slopes, wild life habitats,

(Turn to Page A39)

MAMMA Reorganizes To Cut Costs, Expand Advertising

BY PAT PURCELL

TOWSON, MD — The Middle Atlantic Milk Marketing Association has begun reorganization plans which will remove the association from the Federal Order system and allow MAMMA to expand its advertising budget without increasing costs to milk producers.

MAMMA will no longer be under Federal Order regulations, but will continue to serve Federal Order #4 milk producers. The association's Board of Directors voted to reorganize to enable MAMMA to be more competitive in the marketplace.

Under the reorganization plans, MAMMA will be able to take advantage of more progressive marketing opportunities that are available to the association only on a limited basis under Federal Order regulations.

These marketing opportunities will allow MAMMA to expand its advertising budget by joint promotional projects with companies who are willing to pick up as much as half of the advertising costs. This allows MAMMA to cut advertising costs while expanding their advertising campaigns to reach more potential consumers. In other words, milk producers get more promotion for their dollars.

MAMMA is totally funded through the contributions of milk producers mandated by the Dairy and Tobacco Adjustment Act of 1983 that established the Dairy Research and Promotion Order. Milk producers contribute $.15 per hundredweight to be used for dairy promotion and research. MAMMA receives $.10 of this contribution.

Stretching the promotional budget has taken top priority at MAMMA. Milk production has dropped in the Mid-Atlantic region due to the dairy termination program, farm sellouts and increasing pressure from residential and commercial development.

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Scibilia Named DHIA Lab Mgr.

STATE COLLEGE — Linda S. Scibilia, previously the Manager of Information, Member Relations and Education for Pennsylvania Dairy Herd Improvement Assn. was recently promoted to the position of Laboratory Manager. Scibilia has worked for Pennsylvania DHIA since January, 1985. She began as a Region Manager in southeastern Pennsylvania, and operated the region for a year and a half before moving to her more recent position in State College.

As Manager of Information,

(Turn to Page A36)

Sign-Up Begins For 1989 Acreage Reduction Programs

BY KARL BERGER

WASHINGTON, DC — Farmers can sign up now to participate in the federal government's 1989 acreage reduction programs for wheat, corn and other feed grains.

Enrollment opened Dec. 19 at local offices of the Agricultural Stabilization and Conservation Service, the U.S. Department of Agriculture agency that administers this staple of government farm policy in the 1980s. It will end April 14.

The basic deal remains the same as it has in previous years, although both target prices and loan rates have declined, according to ASCS officials in Pennsylvania and Maryland. Participating farmers agree to idle on a crop by crop basis a portion of the land they would otherwise plant in return for access to guaranteed loans and possible deficiency payments.

(Turn to Page A33)

Farm Show Issue Next Week

Next week, you'll find a whole issue dedicated to the Pennsylvania Farm Show. It takes the hundreds of people who stage the show and exhibit their products plus the thousands who attend to make this annual farm showcase a success. We'll have an indepth preview.

In addition, to help you orient yourself to the Farm Show facilities, you'll find in this issue a copy of the building layout, the list of exhibitors and the events and meeting schedule on Page A26-31. You may want to save these pages to take with you when you attend.

Holiday Office Schedule

The office of Lancaster Farming will be closed Monday, Jan. 2 for the New Year's Holiday. Deadlines for the Jan. 7 issue are as follows:

Mailbox Market Ads- Noon Tuesday, Jan. 3.
Public Sales Ads- Noon Tuesday, Jan. 3.
General News- 5 p.m. Wednesday, Jan. 4.
Classified Section B Ads- 5 p.m. Wednesday, Jan. 4.
All Other Classified Ads- 9 a.m. Thursday, Jan. 5.
Late-breaking News- 5 p.m. Thursday, Jan. 5.

Mel and Marilyn Nissley and their children started off 1988 with a bang when their youngest was born on December 31. After a "relatively good year" they look forward to even a better year in 1989.

Goodbye 1988...Hello 1989...

BY LOU ANN GOOD

EPHRATA (Lancaster) — As 1988 draws to a close, it's a good time to reflect on the past and look forward to the future.

We chose a mixture of people featured in articles this past year and asked them to recount memories from 1988 and tell us what they look forward to in the New Year.

Their responses suggested that 1988 has been a relatively good year and they anticipate continual enjoyment in 1989.

From time to time, we receive

(Turn to Page B18)

Sam and Kathy Doak faced upheaval during the final stage of 1988, but they're looking forward to a brighter future.

market and auction news

Lancaster Livestock Auction

Lancaster, Pa.
Monday, December 26, 1988

	Cattle	Calves	Hogs	Sheep	Goats
Monday's Receipts	738	34	1034	177	136
Monday's Auction	737	44	1127	320	137
Last Monday's Auction	987	117	630	1743	902
Last Year's Auction	1116	143	366	381	445

No auction report due to Federal Holiday.

Carlisle Livestock Market

Carlisle, Pa.
Tuesday, Dec. 27, 1988

CATTLE: HOLSTEINS: ACTIVE. CHOICE NONE OFFERED, MEDIUM-GOOD 66.25-69.50, MEDIUM 66.00 & DOWN. HEIFERS: ACTIVE, NO HIGH CHOICE & PRIME OFFERED. CHOICE 65.00-68.50, GOOD 64.75 & DOWN. COWS: STRONG DEMAND! EARLY-BIRD PENS 3.00 HIGHER. HIGH YIELD 51.00-54.50; GOOD 49.00-51.00; MEDIUM 45.00-49.00; BIG MIDDLE 43.85-47.75; SHELLY 44.00 & DOWN. FAT BULLS: GOOD 63.25-65.00, MEDIUM 51.75-58.85.

FEEDER CATTLE: STEERS (600-850 LBS.) MEDIUM 60.00-78.00. HEIFERS (ALL WEIGHTS) GOOD (HEAVY) 66.00-67.00, MEDIUM 62.00 & DOWN. BULLS (ALL WEIGHTS) MEDIUM-GOOD 68.00-80.00.

VEAL CALVES: ACTIVE & STEADY, CHOICE 90.00-105.00, GOOD 80.00-89.00, MEDIUM 72.00-79.00, LIGHT/WEAK 71.00 & DOWN. FARM BULLS MOSTLY 140.00-162.00.

HOGS: BARROWS & GILTS .75 HIGHER. US NO. 1-3 210-260 LBS. 43.50-45.00, OVER 260 LBS. 41.00-44.25, 2&3'S 42.75-43.25.

SOWS: OVER 450 LBS. 28.00-30.75, UNDER 450 LBS. 28.00-31.00, 2&3'S 27.50 & DOWN. BOARS: HEAVY 24.25-25.00, UNDER 300 LBS. TO 32.00.

FEEDER PIGS (BY THE HD) 20-25 LBS. 20.00-30.00, 30-50 LBS. 32.00-41.00.

SHEEP: LAMBS ACTIVE. CHOICE 45-55 LBS. 100.00-107.50, GOOD & CHOICE 60-120 LBS. 70.00-76.00, MEDIUM (ALL WEIGHTS) 65.00-69.00. EWES: 20.00-32.00. GOATS: LG. 55.00-79.00 HD., SM./MED. 32.00-54.00.

NOTES: SALE EVERY TUES. EVENING 5:30 P.M. RABBITS, POULTRY & EGGS, 7:00 P.M. LIVESTOCK.

New Holland Dairy

New Holland Sales Stables
Wednesday, Dec. 28, 1988
Report supplied by auction

REPORTED RECEIPTS OF 67 COWS, 27 HEIFERS, AND 5 BULLS. MARKET STEADY.

LOAD OF PA FRESH COWS, 785.00-1375.00.

LOAD OF PA. FRESH COWS, 880.00-1075.00.

LOAD OF PA FRESH COWS, 530.00-1385.00.

LOAD OF PERRY CO. FRESH COWS, 920.00-1350.00.

LOAD OF WISC. FRESH COWS, 1175.00-1325.00.

LOAD OF NY FRESH COWS, 790.00-1400.00.

LOCALLY CONSIGNED COWS, 590.00-1200.00.

SPRINGING HEIFERS, 650.00-1050.00.

BULLS, 590.00-910.00.

Vintage Livestock Auction

Tuesday, Dec. 27, 1988
Report Supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	805	871	6	0
Last Tuesday	737	860	4	0
Last Year	1055	920	2	0

CATTLE: SLAUGHTER STEERS 50-1.00 HIGHER; SLAUGHTER HEIFERS NOT TESTED; COWS FIRM TO 1.00 HIGHER, INSTANCES 1.50 HIGHER ON CANNER AND LOW CUTTER; BULLS SCARCE, FEW SALES FULLY STEADY. SUPPLY INCLUDED 36% SLAUGHTER STEERS AND 62% COWS.

SLAUGHTER STEERS: FEW HIGH CHOICE AND PRIME 2-4 1150-1450 LB 76.50-78.10, FIVE HEAD 78.50-79.10; CHOICE 2-3, FEW 4 1050-1475, FEW HEAD 1500-1700 LB 73.50-76.50; SELECT AND LOW CHOICE 2-3 1050-1450 LB 70.00-73.75; COUPLE CHOICE 1435-1570 LB HOLSTEINS 66.85-67.75.

SLAUGHTER HEIFERS: FEW CHOICE 2-3 1130-1190 LB 71.00-73.75.

COWS: BREAKING UTILITY AND COMMERCIAL 2-3 BULK 48.00-50.50, HI DRESSING 50.50-52.50; COMMERCIAL 3-4 BULK 44.00-47.50; CUTTER AND BONING UTILITY 1-2 LO DRESSING 45.00-48.00, BULK 48.00-51.00, HI DRESSING 51.25-53.75; CANNER AND LOW CUTTER LO DRESSING 40.75-44.00, BULK 44.00-48.00.

BULLS: FEW YIELD GRADE 1 1600-2080 LB 61.75-64.25; FEW YIELD GRADE 2 1350-1900 LB 55.25-58.50.

VEAL CALVES: VEALERS STEADY, ALTHOUGH CHOICE SCARCE. SUPPLY INCLUDED 723 IN GRADED SALE OF WHICH 75% SOLD TO RETURN TO FARM.

VEALERS: COUPLE CHOICE 205-255 LB 99.00-103.00; HIGH GOOD AND LOW CHOICE 170-345 LB 67.00-88.00, FEW 110-160 LB 70.00-75.00, 80-110 LB 60.00-65.00, FEW 65.00-70.00; STANDARD AND LOW GOOD 60-85 LB 52.00-60.00.

RETURNED TO FARM: 30 HEAD 120-125 LB HOLSTEIN BULLS 127.00, 75 HEAD 110-115 LB 148.00-149.00, 165 HEAD 95-105 LB 156.00-160.00, AND 50 HEAD 90 LB 104.00-106.00; 65 HEAD SMALL FRAME 100-115 LB 104.00-108.00 AND 65 HEAD 80-95 LB 70.00; 30 HEAD 100-115 LB HOLSTEIN HEIFERS 146.00-149.00 AND 20 HEAD 90-95 LB 80.00; 45 HEAD SMALL FRAME 80-105 LB 68.00-73.00.

SHEEP: INSUFFICIENT VOLUME TO TEST MARKET.

GOATS: NO MARKET TEST.

Lancaster Auction

Wednesday, Dec. 29
Report Supplied by USDA

	Cattle	Calves	Hogs	Sheep	Goats
Wed's Receipts	61	16	1034	32	21
Wed's Auction	38	0	795	0	0
Last Wed's Auction	20	0	608	0	0
Last Year's Auction	46	8	260	0	0

CATTLE: INSUFFICIENT VOLUME OF ANY ONE CLASS TO TEST TRENDS.

VEAL CALVES: NO MARKET TEST.

HOGS: COMPARED TO LAST WEDNESDAY BARROWS AND GILTS .50-1.00 HIGHER; SOME 1.00-2.00 HIGHER.

BARROWS AND GILTS: US 1-2 210-245 LBS. 45.75-46.50; US 1 210-240 LB. 46.75-47.75; US 1-3 210-260 LB. 45.00-45.75; US 2-4 FEW 235-270 LB. 44.00-45.00.

SOWS: US 1-3 325-600 LB. 27.00-30.00; US 2-3 500-650 LB. 23.00-27.00.

SHEEP: NO MARKET TEST.

GOATS: NO MARKET TEST.

Penns Valley Livestock

Centre Hall, Pa.
Tuesday, Dec. 27, 1988
Report Supplied by Auction

BEEF COWS: UTILITY AND COMMERCIAL 48.00-52.50; CUTTERS 44.00-47.75; CANNERS 41.00-43.00; SHELLS 38.00.

HEIFERS: GOOD 43.50-48.25.

STEERS: GOOD 48.00-50.00.

BULLS: GOOD 46.50-59.50; STANDARD 46.50-51.75.

FEEDER CATTLE: 300-500 LBS. LARGE FRAME 52.00-55.00; SMALL FRAME 53.00-56.00; 500-700 LBS. LARGE FRAME 58.00-60.00.

VEAL CALVES: GOOD 79.00-81.00; STANDARD 74.00-78.00; UTILITY 55.00-65.00.

FARM CALVES: BULLS 100.00-155.00; HEIFERS 115.00-135.00.

HOGS: 30.00-35.00.

SHOATS: 25-30 LBS. PER HEAD 13.00-19.00; 30-35 LBS. PER HEAD 13.00-19.00; 35-50 LBS. PER HEAD 40.00-47.50.

GOATS: 10.00-28.00.

New Holland Livestock

New Holland, Pa.
Thursday, Dec. 29

	Cattle	Calves	Sheep	Goats
Today	716	559	65	90
Last Thursday	469	498	147	90
Last Year	412	487	26	15

CATTLE: SMALL SUPPLY SLAUGHTER STEERS 2.00 HIGHER; SLAUGHTER HEIFERS NOT FULLY TESTED; COWS STEADY; BULLOCKS ABSENT; BULLS FULLY STEADY. SUPPLY INCLUDED 29% SLAUGHTER STEERS AND 59% COWS.

SLAUGHTER STEERS: CHOICE 2-3, FEW 4 1125-1425 LB. 74.50-78.85, COUPLE HIGH CHOICE AND PRIME 2-4 1275-1375 LB. 78.00-79.00; SELECT AND LOW CHOICE 2-3 1100-1425 LB. 71.00-74.50; FEW SELECT 1-2 1175-1300 LB. 77.00-78.75; FEW SELECT 2-3 1100-1400 LB. 68.00-71.00.

SLAUGHTER HEIFERS: FEW CHOICE 2-3 1055-1140 LB. 71.75-73.85; FEW SELECT 2-3 1000-1185 LB. 65.00-68.50.

COWS: BREAKING UTILITY AND COMMERCIAL 2-3, BULK 48.00-51.00, HI DRESSING 51.00-52.25; COMMERCIAL 3-4, BULK 45.00-47.50; CUTTER AND BONING UTILITY 1-2 LO DRESSING 45.00-47.50, BULK 47.50-50.00, HI DRESSING 50.00-53.50; CANNER AND LOW CUTTER, LO DRESSING 41.00-43.50, BULK 43.50-47.25.

BULLS: YIELD GRADE 1 1330-1900 LB. 62.00-65.50; FEW YIELD GRADE 2 1150-1750 LB. 57.75-62.00.

VEAL CALVES: CHOICE AND PRIME VEALERS 5.00-8.00 HIGHER, HIGH GOOD AND LOW CHOICE FIRM TO 5.00 HIGHER. DEMAND GOOD FOR HOLSTEIN BULLS TO RETURN TO FARM.

VEALERS: COUPLE HIGH CHOICE AND PRIME 245-370 LB. 114.00-118.00; CHOICE 135-330 LB. 96.00-110.00, FEW 110.00-113.00; HIGH GOOD AND LOW CHOICE 120-360 LB. 75.00-95.00, 80-110 LB. 65.00-70.00, FEW 70.00-74.00; STANDARD AND LOW GOOD 60-85 LB. 60.00-65.00.

RETURNED TO FARM: BULK 95-125 LB. HOLSTEIN BULLS 130.00-155.00, FEW 155.00-164.00; SMALL FRAME 90-115 LB. 90.00-125.00, FEW 80.00-90.00.

SHEEP: SLAUGHTER LAMBS STEADY. SLAUGHTER EWES FIRM TO 5.00 HIGHER.

WOOLED LAMBS: CHOICE AND PRIME 80-110 LB. 72.00-79.00, FEW 80.00-83.00; GOOD 70-90 LB. 64.00-72.00.

SLAUGHTER EWES: UTILITY AND GOOD 21.00-35.00, FEW 35.00-42.00.

GOATS: ALL GOATS SOLD BY THE HEAD. LARGE 55.00-75.00, COUPLE 84.00-87.00 AND COUPLE 97.00-105.00; MEDIUM 35.00-55.00.

Lancaster County Weekly

Lancaster, Pa.
Friday, December 30, 1988

	Cattle	Calv
This Week	2400	1480
Last Week	2145	1473
Last Year	2740	1581

CATTLE: Slaughter steers closed 2.0 higher, instances 3.00 higher; slaughte heifers not fully tested; cows firm to 1.0 higher, advance on Canner and low Cutte bullocks not tested; bulls fully steady Supply included 39% slaughter steers, 8% slaughter heifers, 43% cows, 5% bulls with the balance feeders.

SLAUGHTER STEERS: Few High Choice and Prime 2-4 1150-1450 lb 77.50-79.10; Choice 2-3, few 4 1050-145(lb 73.50-77.00, few late 77.50-78.85 Select and low Choice 2-3 1050-1450 lb 71.00-74.50; few Select 2-3 1100-1400 lb 68.00- 71.00; couple Choice 1435-1570 lb Holsteins 66.85-67.75.

SLAUGHTER HEIFERS: Choice 2-3 1055-1190 lb 71.00-73.85; few Select 2-3 1000- 1185 lb 65.00-68.50.

COWS: LO DRESSING BULK HI DRESSING Breaking Utility and Commercial 2-3 48.00-51.00 51.00-52.50. Commercial 3-4 44.00-47.50. Cutter and Boning Utility 1-2 45.00-47.50 47.50-51.00 51.00-53.75. Canner and low Cutter 40.75-44.00 44.00-48.00.

BULLS: Yield grade 1 1350-2080 lb 61.75-65.50; yield grade 2 1150-1900 lb 57.00-62.00, low dressing 55.25-57.00.

VEAL CALVES: Choice and Prime vealers 5.00-8.00 higher, high Good and low Choice firm to 5.00 higher. Demand good for Holstein bulls and heifers to return to farm.

VEALERS: Couple high Choice and Prime 245-370 lb 114.00-118.00; Choice 135- 330 lb 96.00-110.00, few 110.00-113.00; high Good and low Choice 120-360 lb 75.00-95.00, 80-110 lb 64.00-70.00, few 70.00-74.00; Standard and low Good 60-85 lb 55.00-65.00.

RETURNED TO FARM: Bulk 95-125 lb Holstein bulls 130.00-160.00, few 160.00- 164.00; small frame 95-120 lb 90.00-125.00, few 80-95 lb 70.00-95.00; few 100-115 lb Holstein heifers 146.00-149.00 with 50 head small frame 80-105 lb 68.00-73.00.

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NEW SALE TIME
Starting Jan. 6, sale will begin at 11 am every Friday.
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Out of State Buyers - Cash or Certified Check Only

LANCASTER STOCK YARDS
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AUCTIONS
MONDAY
9:00 A.M. —Slaughter Bulls, Heifers, Steers, Cows
10:00 A.M. —Goats, Veal Calves, Lambs
12 Noon —Slaughter Hogs
WEDNESDAY
8:00 A.M. —Slaughter Hogs
10:00 A.M. —Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. —Veal Calves, Lambs
FRIDAY
11:00 A.M. —Stocker and Feeder Cattle
SATURDAY
8:00 A.M. —Slaughter Hogs
CLOSED: No Hog Sale Sat., Dec. 31
Open Same As Usual Mon., Jan. 2, 1989
Next Feeder Cattle Sale Fri., Jan. 6 at 11:00 A.M.
LANCASTER STOCKYARDS, INC.
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VINTAGE SALES STABLES, INC.
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Flea Market Auction every Tuesday at 12:30. Tools, Eggs, Produce, etc.
Buyers & Sellers Welcome

HOG MARKETS

New Holland Feeder Pigs

New Holland, PA
December 29, 1988
Report Supplied by Auction

Today	917
Last Wednesday	985
Last Year	1034

TREND: COMPARED TO LAST WEDNESDAY FEEDER PIGS 8.00-15.00 LOWER. ALL PIGS WEIGHTED ON ARRIVAL AND SOLD BY THE HUNDRED WEIGHT.

US 1-2 69 HD. 35-36 LBS. 90.00-98.00; 53 HD. 38 LB. 81.00; 128 HD. 40-49 LB. 74 00-80.00; 131 HD. 50-59 LB. 69.00-73.00; 50 HD. 60-69 LB. 58 00-65.00; 46 HD. 76 LB. 65.00; 23 HD. 80-88 LB. 46.00-49.00.

US 2 76 HD. 30-39 LB. 75.00-90.00; 46 HD. 40-49 LB. 65.00-72.00; 55 HD. 50-59 LB. 56.00-65.00; 30 HD. 60-69 LB. 48 00-57.00.

US 2-3 28 HD. 33-37 LB. 66.00-74.00; 30 HD. 47-48 LB. 51.00-54.00; 18 HD. 61 LB. 42.00.

SLAUGHTER 22 HD. 23 LB. 180.00; 50 HD. 22-28 LB. 115.00-130.00; 15 HD. 32-38 LB. 88.00-94.00.

Carlisle Livestock

Graded Feeder Pig Sale
Carlisle, Pa.
Friday, Nov. 23, 1988

RESULTS ON 766 PIGS. TREND: COMPARED TO DECEMBER 9TH STATE GRADED SALE PIGS WERE VERY ACTIVE; FIRM 10.00-15.00 HIGHER. ALL PIGS WERE WEIGHED ON ARRIVAL AND SOLD BY THE HUNDRED WEIGHT.

US NO. 1&2'S: 474 HD. 79 HD. 41-49 LBS. 91.50-101.50; 4 HD. 40 LBS. 84.00; 140 HD. 50-59 LBS. 80.50-93.00; 175 HD. 63-69 LBS. 70.00-84.00; 76 HD. 71-75 LBS. 70.00-72.00.

US NO. 2'S: 215 HD. 29 HD. 33-39 LBS 89.00-101.50; 47 HD. 46-49 LBS. 82.00-94.00; 2 HD. W/TAILS 47 LBS. 60.00; 72 HD. 51-59 LBS. 73.00-85.00; 7 HD. SMALL/LOTS 57 LBS. 60.00; 12 HD. W/TAILS 66 LBS. 67.00; 52 HD. 71-72 LBS. 66.50-70.00; 1 HD. 100 LBS. 50 00.

US NO. 2&3'S: 42 HD. 30-38 LBS. 84.00-101.00; 6 HD. 46-50 LBS. 36 00-55.00.

UTILITIES: 4 HD. 30-52 LBS. 30.00.

AS IS: 25 HD. 24-53 LBS. 30.00-90.00.

NEXT GRADED FEEDER PIG SALE FRIDAY, JANUARY 13TH, 1989, 1:30 P.M. (GRADING 7:30 UNTIL 11:30 A.M.)

Peoria Hogs

Peoria, Illinois
Wednesday, December 28, 1988

CLOSE HOGS: 2000 TRADING ACTIVE. BARROWS AND GILTS .50 TO 1.00 HIGHER COMAPRED TO TUESDAY.

US 1-3 220-250 LBS. 45.00-45.50, VOLUME 45.00 2-3 240-260 LBS. 44.00-45.00 260-280 LBS. 42.00-44.00.

SOWS: UNDER 450 LBS. STEADY TO .50 HIGHER, OVER 450 LBS. STEADY TO .50 HIGHER ON BULK OF SALES, FEW SALES 1.00 LOWER 20% US 1-3 325-400 LBS. 31.50-32.00 400-450 LBS. 33.00-33.50 450-500 LBS. 35.00-36.00 500-650 LBS. 36.50-37.00.

BOARS: OVER 350 LBS. 32.00 UNDER 350 LBS. 31.00-33.00.

HOG 214: HC 45.00-45.50 HD 45.00-45.50 HE 45.00-45.50 HI 45.00-45.50 HJ 45.00-45.50 HK 45.00-45.50 HQ 44.00-45.00 HR 43.00-44.00 VV 31.50-32.00 WW 33.00-36.00 XX 36.50-37.00 YY 36.50-37.00 ZZ 32.00-32.00.

Midwest Flashes

Wed., Dec. 29, 1988

Peoria Hogs

HOGS: 2200- TRADING SLOW. BARROWS AND GILTS OPENING MOSTLY .50 LOWER COMPARED TO WEDNESDAY. SUPPLY MAINLY US 1-3 230-260 LBS.

US 1-3: 220-250 LBS. 44.50-45.00, BULK 44.50; 30 HEAD EARLY 45.50.

US 2-3: 240-260 LBS. 43.50-44.50.

SOWS: STEADY TO 1.00 HIGHER. 15%.

US 1-3: 325-500 LBS. 33.00-33.50; 500-650 LBS. 36.50-37.00.

Indianapolis Hogs

Thurs., Dec. 29, 1988

HOGS: 400- BARROWS & GILTS MODERATELY ACTIVE, 50 LOWER. SUPPLY US 1-3 225-270 LBS.

US 1-3 225-260 LBS. 44.75-45.00.

SOWS: MODERATELY ACTIVE, 2.00 HIGHER. 8%.

US 1-3: 475-650 LBS. 30.00-34.00.

BOARS: ALL WEIGHTS 30.00.

GRAIN, CATTLE AND HOG FUTURES MARKETS

(Daily closing bids: Friday, Dec. 23 through Thursday, Dec. 29)

CORN

	FRI.	MON.	TUES.	WED.	THUR.
MAR. 89	284¼	C	285¼	284	282¼
MAY	290	L	290¾	290	287½
JUL.	293	O	293	293	290¼
SEPT.	278¾	S	279¾	280¼	278½
DEC.	273¼	E	271¾	273¾	271½
MAR. 90	280	D	279	280¾	278½

SOYBEANS

	FRI.	MON.	TUES.	WED.	THUR.
JAN.	796½	C	796½	789¾	788¾
MAR.	811¼	L	811¼	805¼	803½
MAY	824½	O	823¾	817	814½
JUL.	827¼	S	829¾	823½	820¾
AUG.	818	E	818	814¼	809
SEPT.	769	D	772	769½	765
NOV.	729¼		735	733	728¼

CHICAGO CATTLE

	FRI.	MON.	TUES.	WED.	THUR.
FEB. 89	74.37	C	74.47	73.97	73.90
APR.	75.97	L	75.97	75.52	75.50
JUNE	74.30	O	74.25	74.00	74.02
AUG.	71.82	S	71.95	71.67	71.72
OCT.	70.80	E	71.07	70.82	70.85
		D			

WHEAT

	FRI.	MON.	TUES.	WED.	THUR.
MAR. 89	440½	C	437¼	435¾	436¾
MAY	429¼	L	426	425¼	424¼
JUL.	397	O	395	392¾	393
SEPT.	399½	S	398½	395¼	396
DEC.	409	E	407½	404	405
		D			

SOYBEAN MEAL

	FRI.	MON.	TUES.	WED.	THUR.
JAN. 89	256.00	C	255.30	254.80	254.90
MAR.	256.70	L	257.20	257.10	257.10
MAY	255.20	O	255.20	255 70	255.70
JUL.	253.00	S	253.50	253.50	253.50
AUG.	246.50	E	248.00	248.00	249.00
SEPT.	236.50	D	237.20	238.50	239.00
OCT.	218.00		221.70	224.20	224.00

CHICAGO HOGS

	FRI.	MON.	TUES.	WED.	THUR.
FEB.	47.30	C	47.32	47.12	46.82
APR.	45.72	L	46 15	45.87	45.72
JUNE	49.67	O	50.02	50 02	49.87
JUL.	49.75	S	50.15	50.37	50.05
AUG.	49.27	E	49.40	49.50	49.20
OCT.	45.50	D	45.55	45.62	45.45

FUTURES MARKET TRENDS GRAIN AND LIVESTOCK

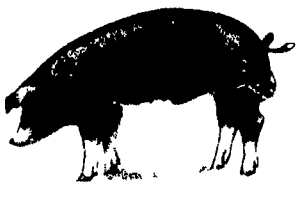
This market information provided by ACRES ACRES is a copyrighted market information service developed by the American Farm Bureau and available to Pennsylvania farmers on a daily basis through Pennsylvania Farmers' Association Farm Management Services For additional market comments and trading service contact PFA Commodity Futures Service (717) 761-2740

ACRES CORN UPDATE: Corn futures prices closed mixed this afternoon with the front two options losing from 3/4 to 1-1/4 cents while the deferreds closed from unchanged to 2 cents higher on the December 1989 contract. Spillover from weaker soybean futures pressured the nearby months while the deferreds gained on buying tied to a brighter export outlook. Today's session was characterized by narrow range trading which was attributed to continued fundamental strength. Some May/March spreading was featured later in the session, with March ending the day 1-1/4 cents lower at $2.84.

ACRES SOYBEAN UPDATE: Soybean futures settled lower this afternoon, posting losses from 2 cents on the November contract to as much as 7 cents on the spot option. After a weak close pressured by reports of beneficial rainfall over major portions of the South American growing regions, prices found support from aggressive commercial buying attributed to rumors the Soviets had purchased meal overnight. Subsequent to the close the USDA announced sales to the Soviet Union of 600,000 metric tonnes of meal. Late session weakness was in response to technical selling on chart reversal signs, with the January option losing 7 cents at $7.89-1/2.

ACRES WHEAT UPDATE: Wheat futures closed lower 1/2 to 3 cents on late professional selling tied to soybean complex weakness. Subsequent to today's close, the USDA made an announcement that it had accepted China's bid for 200,000 metric tonnes of hard red under export bonus as well as targeting Egypt for 300,000 metric tonnes. Today's close was, on an average 5 cents lower than session highs which were made early in the day on buying tied to a brighter export outlook. March ended the day 1-1/2 cents lower at $4.35-3/4 while the July option lost 2-1/4 cents at $3.92-3/4.

(Turn to Page A4)



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CLOSED: No Hog Sale Sat., Dec. 31
Open Same As Usual Mon., Jan. 2, 1989

Next Feeder Cattle Sale
Fri., Jan. 6 - 11:00 A.M.

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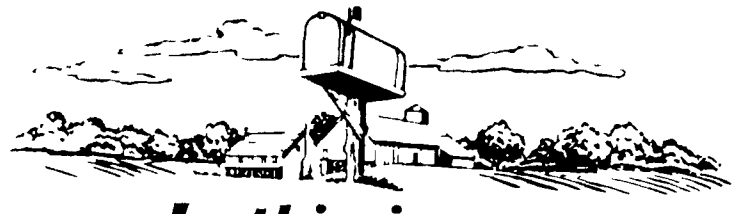
An Old Line Commission Firm Keeping Abreast With The Times



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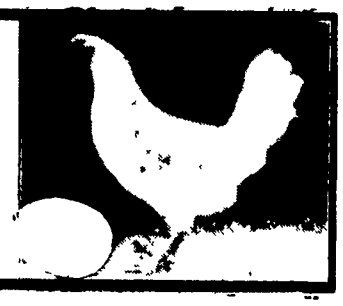
POULTRY MARKETS



Weekly New York Egg Market Northeast Quotes

From Fri., Dec. 23 to Thurs., Dec. 29

	FRI.	MON.	TUES.	WED.	THURS.
WHITE					
JUMBO	.87	C	.87	.87	.87
EX. LARGE	.84	L	.84	.84	.84
LARGE	.82	O	.82	.82	.82
MEDIUM	.76	S	.76	.76	.76
PULLETS	.66	E	.66	.66	.66
OFF GRADE	.70	D	.70	.70	.70
BROWN					
EX. LARGE	1.12		1.12	1.12	1.12
LARGE	1.05		1.05	1.05	1.05
MEDIUM	.84		.84	.84	.84
OFF GRADE					
UNDERGRADES					
AND CHECKS	.40		.40	.40	.40

BREAKING STOCKS: FRI. 48-50 LBS. 48.00-50.00; 50 LBS. UP 50.00-51.00.

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Heinsey's Poultry

Roots, East Petersburg
Tuesday, December 27, 1988

Muscovy Ducks, Drakes Range 1.20-1.62.
Hens .90-1.20.
Pekin Ducks .30-.42.
Pullets 5-8# .40-.54.
Red Fowl: 4-4.5# .20-.44; 5-6# .38-.58.
Crossbred Roosters: 4-6# .38-.74; 7-11# .36-.62.
Crossbred Fowl: 5-10# .30-.54.
Banty Roosters 2.00-4.75 ea.
Banty Hens .50-1.25 ea.
Guinea Pigs .75-3.00 ea.
Goats 36.00-64.00 ea.
Guinea Fowl .90-1.15.
Geese 9-14# .44-1.10.
Pigeons 1.25-1.50 ea.
White Pigeons 3.50-4.00 ea.
Rabbits: 4-6# 1.10-1.54; 7-11# .90-1.22.
Leghorn Roosters .18-.24.
Bunnies .50-4.00 ea.
Doves 1.75-3.00 ea.
Chukars 3.75-4.00 ea.
Silkies 4.00-6.75 ea.
Total Coops Sold 738.

Hackettstown Poultry & Egg

Hackettstown, N.J.
Tuesday, Dec. 27, 1988
Report Supplied by Auction

HEAVY FOWL .30-.50.
MIXED FOWL .95.
LEGHORN FOWL .30-.60.
ROASTERS .95.
GEESE .65.
BANTAMS EACH .50-2.50, BY THE LB. .25-.80.
ROOSTERS .25-1.35.
TURKEYS .15-.40.
DUCKS .15-1.15.
RABBITS 1.00-1.95.
BUNNIES (EACH) 1.00-1.85.
PIGEONS, (EACH) 1.50-2.50, BY THE LB. 1.60-2.30
GUINEAS 1.05-1.30.

WHITE

JUMBO X LGE. .64-.86; LARGE .50-.75; MEDIUM .47-.65.

BROWN

JUMBO X LGE. .85-.90; LARGE .52-.82; MEDIUM .44-.46.

Philadelphia Eggs

Thursday, Dec. 29, 1988
Report Supplied by USDA

MARKET COMMENT: PRICES WERE UNCHANGED. TRADE SENTIMENT WAS STEADY ON THE LARGE SIZES, SOMEWHAT CAUTIOUS ON MEDIUMS, BUT GENERALLY STEADY. DEMAND CONTINUED FAIR TO GOOD FROM RESTOCKING AND SOME ADVANCE ORDERING TO COVER THE LONG WEEKEND. SUPPLIES WERE ADEQUATE WITH SOME INCREASED OFFERINGS OF MEDIUMS. FULLY STEADY. PRICES TO RETAILERS: SALES TO VOLUME BUYERS, CONSUMER GRADES WHITE EGGS IN CARTONS DELIVERED STORE DOOR:

EXTRA LARGE .76-80; A LARGE .74-.78; A MEDIUM .68-.71.

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New England Shell Eggs

Wednesday, December 28, 1988

NEW ENGLAND: FEDERAL-STATE Prices were unchanged. The market tone was mostly steady. Distributive movement was fair to good as dealers continued to fill the pipelines. Spotty retail feature activity expected to keep buying interest good as dealers planned for another shortened holiday work week. Supplies cleared well at most locations.

PRICES PAID TO PRODUCERS FOR LOOSE BROWN EGGS AT FARM, CASES EXCHANGED, GRADE YIELD BASIS, CENTS PER DOZEN:

RANGE JUMBO .92-.95; EX LARGE .84-.87; LARGE .78-.81; MEDIUM .59-.62; SMALL .33-.36.

BOSTON: PRICES TO RETAILERS - SALES TO VOLUME BUYERS, CONSUMER GRADE BROWN EGGS IN CARTONS DELIVERED STORE DOOR, CENTS PER DOZEN:

A EXTRA LARGE 1.03-1.05; A LARGE .97-.99; A MEDIUM .78-.80.

Northeast Chicken Parts

Wednesday, December 28, 1988

*****CORRECTION: SKINNED BONELESS VOLUME/LBS. SHOULD READ 126,000 INSTEAD OF 126,800***.**

NORTHEAST CHICKEN PARTS: PART 2 OF 2: FEDERAL-STATE PRICES PAID PER POUND ON ICE PACKED PARTS DELIVERED IN POOL TRUCKLOT AND TRUCKLOT QUANTITIES: CURRENT ITEM NEGOTIATED TRADING* WEIGHTED AVG.** VOLUME/LBS. BREASTS SKINNED BONELESS 185-190 196.13 ***126,000 *** RIBS ON 85-86 87.23 102,600 LINE RUN 82-85 82.76 127,800 LEGS 35-36 42.43 163,800 LEG QUARTERS 26-27 28.53 262,800 WINGS 76-78 80.19 187,200 BACKS & NECKS 10-12 11.00 14,400 LIVERS 15 17.14 12,600 GIZZARDS (HEARTS) 35 38.00 18,000.

*TODAY'S NEGOTIATED SALES AS OF 11:30 A.M. **WEIGHTED AVERAGE PRICE OF ALL GRADES AND BRANDS OF PRODUCT SHIPPED, OR TO BE SHIPPED FROM PROCESSORS AS OF 2:00 P.M. DAY OF REPORT. (INCLUDES NEW YORK CITY METROPOLITAN AREA, NORTHERN NEW JERSEY, MASSACHUSETTS, CONNECTICUT AND RHODE ISLAND).

New York Eggs

Thursday, December 29, 1988

Prices were unchanged. Trade sentiment was steady. Movement was mixed from fair to fairly good and generally less than early week. Supplies were adequate with most dealers attempting to keep floor stocks at close level with demand.

PRICES TO RETAILERS - SALES TO VOLUME BUYERS, CONSUMER GRADE A WHITE EGGS IN CARTONS DELIVERED STORE DOOR, CENTS PER DOZEN:

A EXTRA LARGE .80-.82; A LARGE .77-.80; A MEDIUM .71-.74.

National Egg Market

Thursday, December 29, 1988

Prices were unchanged. The market tone was steady. Demand at all levels was fair to good, best for holiday stocking and restocking. Supplies of the large sizes were generally adequate and mediums were adequate to fully adequate. Most breakers worked reduced schedules and kept shell egg purchases to a minimum.

New York & Philadelphia Frozen Egg Report

Friday, December 23, 1988

Prices continued to trend higher. Breakers continued to work minimal schedules as raw materials were scarce and confidently held. Buyers remained cautious and were reluctant to make commitments. Floor stocks usually covered current needs.

WHOLESALE SELLING PRICES (CENTS PER POUND IN 30 LB. CONTAINERS) U.S.D.A. INSPECTED CLASS TRUCKLOTS LTL (MIN. 25 CONT.) WHOLE 50-52 MOSTLY 51-52 53-61 BLENDS (/) - MOSTLY - 55-65 WHITES 42-45 MOSTLY 43-44 46-53 YOLKS (MIN. 43% SOLIDS) SUGARED 60-62 MOSTLY 61-62 63-74 SALTED 56-60 MOSTLY 56-58 - (/)-WHOLE PLUS YOLK PLUS SWEETENER, GENERALLY 28-32% EGG SOLIDS.

Delmarva Broiler/Fryer Market

Wednesday, December 28, 1988

Movement of ready-to-cook whole birds was good. Supplies were adequate, tightest on 2 1/2-3 lb. sizes. In the parts complex breast items and wings were in close balance while legs and leg quarters were fully adequate. Less than trucklot asksing prices were unchanged at 57 to 69 cents. Live supplies were moderate. Weights were desirable to heavy. Slaughter schedules were moderately heavy. The undertone was at least steady.

ESTIMATED SLAUGHTER OF BROILER/FRYERS IN DELMARVA (000) ESTIMATED ACTUAL AVG. WGT. ACTUAL AVG. WGT. 12/28 12/26 12/26 12/21 12/19 1989 * * 1659 4.71.

*NOT REPORTED TO AVOID DISCLOSING INDIVIDUAL OPERATIONS.

NEW YORK MULTIPLE DROP BROILER REPORT:

CURRENT BROILER/FRYER NEGOTIATED PRICES FOR IMMEDIATE DELIVERY INCLUDES MOSTLY MULTIPLE-DROP SHIPMENTS OF BRANDED AND WING TAGGED TO NEW YORK CITY FROM DELMARVA.

BRANDED U.S. GRADE A RANGE 58-69 WEIGHTED AVERAGE 62.85 NO. OF BOXES.

Eastern PA & NJ Poultry Report

Wednesday, December 28, 1988

Prices were unchanged. The undertone was fully steady to firm. Spot cancellations were tightening supplies for next week. End product movement was fair overall.

LIVE LIGHT TYPE HENS: AT FARM 7-8 MOSTLY - F.O.B. PLANT - MOSTLY.

(Continued from Page A3)

ACRES CATTLE UPDATE: Live cattle futures closed out the day lower while feeders ended mostly higher. Pressure in the live cattle was linked to ideas the pit had become over bought along with expectations for increased slaughter after the upcoming holiday weekend. Further selling was tied to the jitters over the EEC bank on hormone-treated meat which becomes effective Midnight Sunday. A late short-covering rally helped feeders close mostly higher after being confined to a narrow range all session. January feeders ended the day 13 points higher at $84.30 while February live cattle lost 50 points at $73.97.

CME FEEDER CATTLE SETTLEMENT PRICE: unavailable until 1/20/89.

ACRES NEXT DAY OUTLOOK: cash - steady futures-steady to weaker.

ACRES HOG UPDATE: Live hog futures closed steady to stronger with nearby February gaining only 2 points and the balance of the trading months were 5 to 43 points higher. Sluggish movement continued today from Monday's ice and snow storm causing parts of the Midwest to raise cash hog prices $.75 to $1.50. Overall range for cash prices on 210-270 barrows and gilts were from $43.00 to $46.00. Hog slaughter today was 325,000, this was down from 345,000 one week ago. In the product market hams were up $4.00/cwt and loins and bellies were mostly steady.

ACRES NEXT DAY OUTLOOK: cash - steady to firmer futures - steady.

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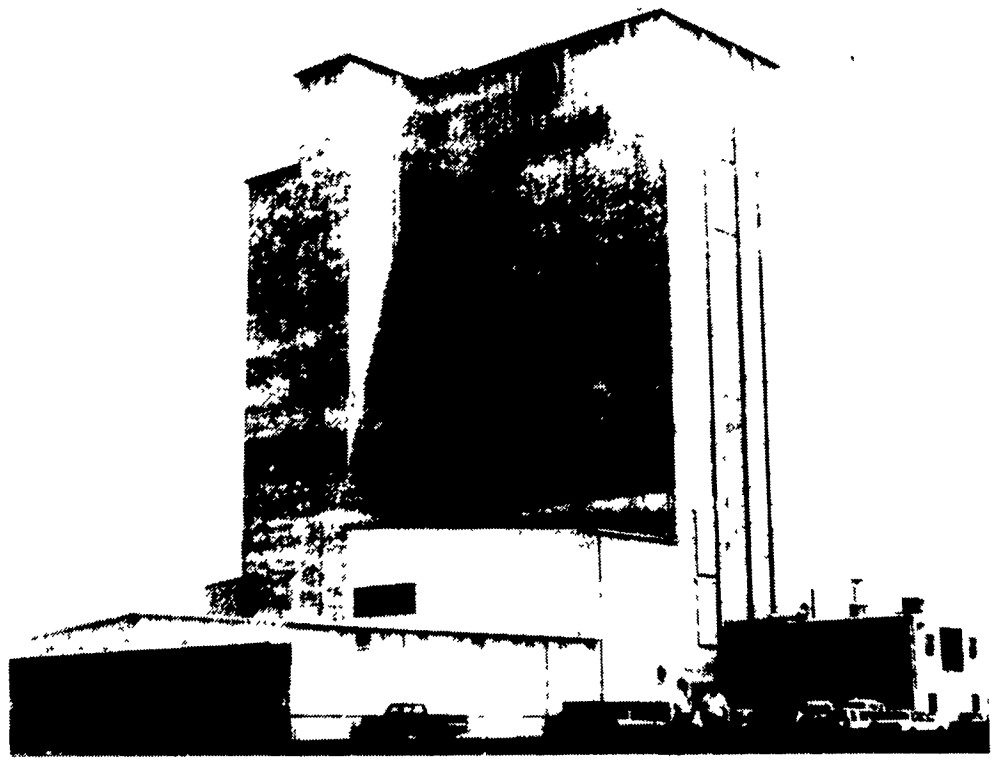

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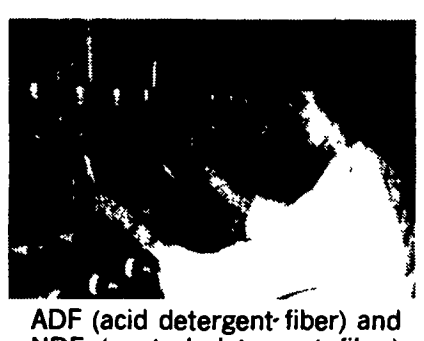

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Corn Silage	34 lbs.	43 lbs.
Forage Dry Matter	22 lbs.	25 lbs.
Energy Per Lactation	4,362 MCal	4,956 MCal
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Pa. Grain

December 27, 1988
Report supplied by PDA

COMPARED WITH LAST MONDAY'S MARKET FOR SOUTHEASTERN, CENTRAL AND SOUTH CENTRAL PA: CORN STEADY TO .10 HIGHER; WHEAT, BARLEY, AND OATS MOSTLY STEADY; SOYBEANS STEADY TO .25 HIGHER; EAR CORN STEADY TO STRONG.

SOUTHEASTERN PENNSYLVANIA

CORN NO. 2-Y RANGE 3.00-3.20, FEW REPORTED 3,30, AVERAGE 3.12; @WHEAT NO. 2 RANGE 3.95-4.40, FEW REPORTED DOWN 3.75, AVERAGE 4.11; BARLEY NO. 3 RANGE 2.40-2.65, AVERAGE 2.52; OATS NO. 2 RANGE 2.30-2.60, AVERAGE 2.47; SOYBEANS NO. 1 RANGE 7.40-7.92, AVERAGE 7.61; *GR. SORGHUM #2 RANGE 2.75, AVERAGE 2.75; *OLD EAR CORN RANGE 100.00-130.00, AVERAGE 115.00; #NEW EAR CORN RANGE 69.00-110.00, AVERAGE 87.15.

SOUTH CENTRAL PENNSYLVANIA

CORN NO. 2-Y RANGE 2.95-3.25, FEW REPORTED 3.40, AVERAGE 3.16; @WHEAT NO. 2 RANGE 3.50-4.20, FEW REPORTED 3.30, AVERAGE 3.75; BARLEY NO. 3 RANGE 2.20-2.65, AVERAGE 2.48; OATS NO. 2 RANGE 2.25-2.60, AVERAGE 2.41; *SOYBEANS NO. 1 RANGE 7.50-7.85, AVERAGE 7.68; *OLD EAR CORN RANGE 90.00-110.00, AVERAGE 100.00; #NEW EAR CORN RANGE 85.00-105.00, AVERAGE 93.71.

SOUTHEASTERN, CENTRAL & SOUTH CENTRAL SUMMARY

CORN NO. 2-Y RANGE 3.00-3.25, AVERAGE 3.14; @WHEAT NO. 2-Y RANGE 3.60-4.40, AVERAGE 3.92; BARLEY NO. 3 RANGE 2.30-2.65, AVERAGE 2.48; OATS NO. 2 RANGE 2.25-2.60, AVERAGE 2.41; SOYBEANS NO. 1 RANGE 7.20-7.92, AVERAGE 7.52; *NEW EAR CORN RANGE 69.00-110.00, AVERAGE 86.46.

CENTRAL PENNSYLVANIA

CORN NO. 2-Y RANGE 3.05-3.25, AVERAGE 3.15; @WHEAT NO. 2 RANGE 3.50-4.15, AVERAGE 3.80; BARLEY NO. 3 RANGE 2.30-2.40, AVERAGE 2.38; OATS NO. 2 RANGE 2.20-2.50, AVERAGE 2.36; SOYBEANS NO. 2 RANGE 6.90-7.80, AVERAGE 7.31; *GR. SORGHUM #2 RANGE 2.65, AVERAGE 2.65; *+BUCKWHEAT RANGE 8.40, AVERAGE 8.40; *OLD EAR CORN RANGE 86.00-105.00, AVERAGE 97.60; #NEW EAR CORN RANGE 65.00-90.00, AVERAGE 75.25.

WESTERN PENNSYLVANIA

CORN NO. 2-Y RANGE 2.95-3.20, AVERAGE 3.03; @WHEAT NO. 2 RANGE 3.60-4.05, AVERAGE 3.80; BARLEY NO. 3 RANGE 2.35-2.40, AVERAGE 2.38; OATS NO. 2 RANGE 2.40-2.80, AVERAGE 2.55; *SOYBEANS NO. 1 RANGE 7.55, AVERAGE 7.55; #NEW EAR CORN FEW REPORTED 95.00, AVERAGE 95.00.

MONTH AGO

CORN NO. 2-Y 3.08; @WHEAT NO. 2-Y 3.83; BARLEY NO. 3 2.44; OATS NO. 2 2.41; SOYBEANS NO. 1 7.15; #NEW EAR CORN 77.32.

YEAR AGO

CORN NO. 2-Y 2.11; @WHEAT NO. 2-Y 3.04; BARLEY NO. 3 1.63; OATS NO. 2 1.95; SOYBEANS NO. 1 5.74; #NEW EAR CORN 56.97.

Regional Hay

December 27, 1988
Eastern, Pa.

HAY & STRAW MARKET FOR EASTERN PA. (ALL HAY NO. 2 & BETTER PRICES PAID BY DEALERS AT THE FARM & PER TON.) HAY AND STRAW STEADY.

ALFALFA 85.00-110.00; MIXED HAY 60.00-100.00; TIMOTHY 60.00-100.00; STRAW 40.00-75.00; MULCH 25.00-45.00.

LANCASTER CO. HAY AUCTIONS

SUMMARY OF LANCASTER CO. HAY AUCTIONS FOR WEEK ENDING 12/23/88. PRICES PER TON: LOADS: 233 HAY, 77 STRAW, AND 10 EAR CORN.

ALFALFA 80.00-134.00; MIXED HAY 68.00-130.00; TIMOTHY 75.00-125.00; STRAW 61.00-95.00; EAR CORN 120.00-138.00.

CENTRAL PA. HAY AUCTIONS

SUMMARY OF CENTRAL PA. HAY AUCTIONS FOR WEEK ENDING 12/23/88. PRICES PER TON: LOADS: 175 HAY, 40 STRAW & 15 EAR CORN.

ALFALFA 98.00-140.00; MIXED HAY 67.50-112.50; TIMOTHY 74.00-90.00; STRAW 46.00-89.00; EAR CORN 110.00-137.50.

Good's Hay

Leola, Pa.
Wed., Dec. 28, 1988
Report Supplied by Auction

TOTAL LOADS: 131.
ALFALFA: 61.00-126.00.
TIMOTHY: 92.00-126.00.
MIXED HAY: 54.00-121.00.
CORN: 71.00-136.00.
OATS: 2.50- 3.00 BU.
CLOVER: 72.00-82.00.
STRAW: 60.00-82.00.
GRASS: 64.00-74.00.
SOYBEAN STUBBLE: 25.00.

Vintage Hay

Paradise, PA
Thurs., Dec. 29, 1988
Report Supplied by Auction

ALFALFA: 48.00-116.00.
TIMOTHY: 79.00-92.50.
MIXED HAY: 76.00-95.00.
STRAW: 65.00-80.00.
CLOVER: 86.00.

Westminster Hay

Westminster, Md.
Tuesday, Dec. 27, 1988
Report Supplied by Auction

TOTAL LOADS: 34.

ALFALFA: VERY GOOD 82.00-100.00; FAIR 45.00-48.00, 2.35-2.90 BU.

ALFALFA MIX: 122.00.

TIMOTHY: 71.00, 1.50-1.90 BALE.

TIMOTHY MIX: 50.00-73.00, 1.30 BALE.

ORCHARD GRASS: 1.65 BALE.

CLOVER: 81.00, 1.95 BALE.

STRAW: 77.00-82.00, .60 BALE.

WOOD: 54.00-72.00 CORD.

Green Dragon Hay

Ephrata, Pa.
Friday, Dec. 23, 1988
Report Supplied by Auction

TOTAL LOADS: 79.
MIXED HAY: 68.00-125.00.
TIMOTHY: 89.00-100.00.
ORCHARD GRASS: 77.00-91.00.
ALFALFA: 68.00-130.00.
STRAW: 63.00-83.00.
CLOVER: 81.00.
CORN: 127.00-138.00.
OATS: 3.10-3.20 BU.

King's Hay

Kirkwood, Pa.
Tuesday, Dec. 27, 1988
Report Supplied by Auction

TOTAL LOADS: 53.

ALFALFA: 91.00-130.00.

ALFALFA MIX: 96.00-123.00, 1 AT 76.00.

MIXED HAY: 97.00-121.00.

CLOVER AND CLOVER MIX: 99.00-111.00.

TIMOTHY AND TIMOTHY MIX: 101.00-124.00.

STRAW: 16 LOADS, 79.00-88.00, 74.00 AND 102.00 PICK-UP LD.

ORCHARD GRASS AND GRASS HAY: 100.00-103.00.

FIREWOOD: 43.00 LD.

FOR SALE
Wood Shavings & Sawdust
* Delivered To Your Farm
* Excellent Dairy Bedding
* Economical
* Year Around Supply
Call For Price
Martin Grain Co.
Mt. Joy, PA
717-653-1085

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Lancaster, PA 17603

SHEARSON LEHMAN HUTTON
An American Express company

HERE TO STAY!
MAKE 1988 THE YEAR TO GET ACQUAINTED WITH NEW HOLLAND SALES STABLES, INC. - THE ACTION AUCTION

MONDAY

FAT HOGS

EARLY BIRD HOG SALE
7:30 AM
For Your Protection Your Hogs Must Be Identified

10:00 AM

HORSES MULES

11:00 AM

HAY
STRAW
GRAIN

1:30 PM
BEEF SALE
CALF, SHEEP, GOATS

WEDNESDAY

11:00 A.M.

DAIRY COWS

HEIFERS, BULLS

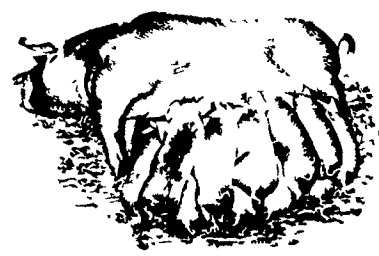
NEW HOLLAND SALES STABLES, Inc.
12 Miles East of Lancaster
on Route 23, New Holland, Penna.

The Auction Auction
717-354-4341

Mgr. - Abe Diffenbach - 717-393-4464
Norman Kolb - 717-397-5538

Field Representatives
Alan Diffenbach 717-354-3297
Luke Eberly 215-267-6608 - 738-1865

WEDNESDAY - 1:30 P.M.
FEEDER PIG SALE

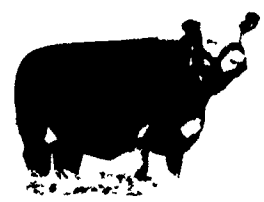


We endeavor to keep our barns cleaner than yours. State graded until 12 Noon

THURSDAY

10:00 AM

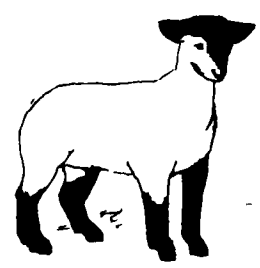
BULLS -



STEERS -
BEEEF COWS

1:30 P.M.

CALVES



SHEEP
GOATS

Market your livestock thru New Holland Sales, your neighbor does
Pick-up your check before you leave

National Grain Summary

St. Joseph, Mo.
Wednesday, December 28, 1988

CASH GRAIN AND SOYBEANS MIXED. WHEAT MARKETS SUPPORTED BY ACTIVE JANUARY LINE-UP. HOWEVER, CORN AND SOYBEANS DECLINED FROM RECENT RALLIES AS YEAR END SELLING IMPROVES SLIGHTLY.

UNITED STATES...LACK OF PRECIPITATION CONTINUED TO STRESS WINTER WHEAT IN THE SOUTHERN PLAINS. GREENBUG INFESTATIONS WERE A CONTINUING PROBLEM. SOYBEAN HARVESTS WERE NEARLY COMPLETE. PASTURE CONDITION WAS MOSTLY GOOD TO FAIR IN THE SOUTH. LOW TEMPERATURES AND SNOW STRESSES LIVESTOCK IN PORTIONS OF THE WEST. SOUTH AMERICA...RAIN HELPS LATE PLANTINGS AND CROP ESTABLISHMENT IN SOUTH-CENTRAL BRAZIL AND ARGENTINA. WESTERN USSR...RAIN SHOWERS ACCOMPANY A WARMING TREND. SNOW COVER DIMINISHES IN THE SOUTHERN UKRAINE AND SOUTHERN NORTHERN CAUCASUS. EASTERN ASIA...LIGHT PRECIPITATION BRINGS SOME RELIEF TO THE NORTH CHINA PLAIN. ABOVE-AVERAGE TEMPERATURES PREVAIL THROUGHOUT THE REGION. DRY WEATHER CONTINUED OVER SOUTHERN CHINA AND WESTERN TAIWAN.

EXPORT NEWS: U.S.S.R. BOUGHT 600,000 METRIC TONS OF CORN FOR 88/89 MARKETING YEAR. EXPORT SALES OF 200,000 TONNES OF CORN TO UNKNOWN DESTINATION FOR 88/89 MARKETING YEAR. U.S.S.R. BOUGHT 600,000 TONNES OF SOYBEAN MEAL FOR 88/89 MARKETING YEAR. EXPORT SALES OF 100,000 TONNES OF SOYBEAN MEAL TO UNKNOWN DESTINATION FOR 88/89 MARKETING YEAR.

DATE CHANGE YEAR AGO 12/28/88 12/27/88 12/30/87 WHEAT: KANSAS CITY 4.23-4.24 UP 1 2.97-3.01 MINNEAPOLIS 4.39 1/2 UP 3 1/4 3.10 1/4 PORTLAND 4.90-4.92 NC 3.11-3.13 ST. LOUIS 4.35-4.38 NC 3.10-3.14.

CORN, U.S. NO. 2 YELLOW: KANSAS CITY 2.72-2.75 DN 3-2 1.80-1.82 MINNEAPOLIS 2.60 DN 1 1/4 1.63 1/4 SO. IOWA 2.63-2.68 DN 1 1.76 1/2-1.78 OMAHA 2.59-2.61 DN 1-2 1.67-1.68.

SOYBEANS, NO. 1 YELLOW: KANSAS CITY 7.83-7.89 DN 8-7 5.82-5.93 MINNEAPOLIS 7.71 1/2 DN 7 5.74 1/2 SO. IOWA 7.72-7.74 DN 6-5 1/2 5.90-5.96 C. ILL. PROCESSORS 7.90 1/2-7.95 1/2 DN 7 5.98-6.06 1/2.

*KANSAS CITY, US NO. 1 HARD RED WINTER WHEAT, ORDINARY PROTEIN. MINNEAPOLIS, US NO. 1 DARK NORTHERN SPRING WHEAT, 14% PROTEIN. PORTLAND, NO. 2 SOFT WHITE WHEAT, ST. LOUIS, NO. 2 SOFT RED WINTER WHEAT.

FUTURES CLOSE: KANSAS CITY (MAR) WHEAT 4.29 3/4 UP 2 3.01 1/2.

MINNEAPOLIS (MAR) WHEAT 4.18 1/2 UP 1 1/4 2.90 1/4.

CHICAGO (MAR) WHEAT 4.35 3/4 DN 1 1/2 3.09 1/4.

(MAR) CORN 2.84 DN 1 1/4 1.85 1/4.

(JAN) SOYBEANS 7.89 1/2 DN 7 6.

EXPORT: BARGE OR RAIL, PORT OF NEW ORLEANS OR NORTH TEXAS GULF. NO. 1 HARD RED WINTER WHEAT ORDINARY PROTEIN 4.61-4.64 UP 2 3.32 1/2 NO. 2 SOFT RED WINTER WHEAT 4.64-4.66 NC-UP 1 3.33-3.38 NO.2 YELLOW CORN 3.06-3.08 DN 1 2.06-2.07 NO.2 YELLOW SORGHUM RAIL 5.07 DN 2 BARGE 5.16 DN 4 3.36-3.38 NO.2 YELLOW SOYBEANS 8.16-8.19 DN 7-5 6.24-6.27.

Frederick Co. Hay

Buckeystown, Md.
Thursday, Dec. 29, 1988
Report Supplied by Auction

TOTAL LOADS: 64. MARKET ABOUT STEADY ON ALL GRADES. DEMAND FAIR COMPARED TO LAST WEEK.

ALFALFA: 8 FAIR TO GOOD, 90.00-120.00.

ALFALFA MIX: 2 GOOD, 105.00-120.00, 1 FANCY, 141.00, 1 DARK, 66.00.

TIMOTHY: 7 FAIR TO GOOD, 80.00-117.00, 6 FAIR, SOME DARK, 67.00-72.00.

MIXED HAY: 5 FAIR TO GOOD, 75.00-100.00, 2 DARK, 52.00-63.00.

ORCHARD GRASS: 64.00.

CLOVER: 99.00.

STRAW: 12 BRIGHT, 61.00-65.00, 2 DARK, 50.00-55.00.

FIREWOOD: 7 LOADS DRY SPLIT OAK, 78.00-86.00 CORD, 3 GREEN SPLIT OAK, 66.00-70.00 CORD.

MIXED HARDWOOD: 65.00 CORD.

Martin's Hay

Coatesville, PA
Wed., Dec. 28

TOTAL LOADS: 15.
ALFALFA: 120.00-122.00.
TIMOTHY MULCH: 67.00-76.00.
TIMOTHY. 100.00-110.00.
MIXED HAY: 115.00.
STRAW: 85.00-100.00.

Keister's Hay

Middleburg, PA
Tuesday, Dec. 27
Report supplied by auction

37 LDS. HAY.
ALFALFA: 105.00-125.00.
MIXED HAY: 67.50-125.00.
STRAW: 15 LOADS, 60.00-70.00.
EAR CORN: 105.00-130.00.
OATS: 2.65 AND 2.70 BU.

Belleville Hay

Wednesday, Dec. 28
Belleville, PA
Report Supplied by Auction

TOTAL LOADS: 70 LDS. HAY.
ALFALFA: 100.00-135.00.
MIXED HAY: 67.50-110.00.
STRAW: 9 LOADS, 65.00-82.50.
EAR CORN: 110.00.

Leinbach's Hay

Shippensburg, PA
Dec. 24 and 27. Report supplied by Auction

TOTAL LOADS: 53.
ALFALFA: 90.00-123.00.
MIXED HAY: 65.00-100.00.
TIMOTHY: 76.00-101.00.
STRAW: 42.00-71.00.
GRASS: 67.00-90.00.
EAR CORN: 101.00.
OATS: 3.00-3.30 BU.
WOOD: 26.00-37.00 PICKUP LD.

Dewart Hay

Dewart, PA.
Monday, December 26, 1988
Report Supplied by Auction

TOTAL LOADS: 20 LDS. HAY, 50.00-88.00.
STRAW: 7 AT 70.00-78.00.
CORN: 87.00.
WOOD: 12 LOADS AT 31.00-65.00.

North Jersey Market

Hackettstown, N.J.
Tues., Dec. 27, 1988
Hay—Straw & Grain Report

MIXED HAY: 1.60-1.90 BALE.
ALFALFA HAY: 2.40 BALE.
GRASS HAY: 1.80-2.20 BALE.
WHEAT STRAW: 1.60 BALE.

Peoria Sheep

Peoria, Illinois
Tuesday, December 27, 1988

MIDSESSION AND CLOSE SHEEP: 25 NOT ENOUGH FOR A MARKET TEST.

Take Your Seat, The Performance Is About To Begin.

You'll applaud the performance of Funk's G-Hybrids like G-4543, G-4626 and G-4446 when the curtain falls at harvest time.

A top choice for shelled grain or ear corn in 110 to 120-day maturity areas, G-4543 produces maximum yields even at lower populations. In Delaware hybrid field corn trials, it topped the field with 148.4 bu./A.

G-4626 has it all in a 115 to 120-day maturity hybrid—fast dry-down, outstanding stay-green, superior standability, excellent plant health and exceptional yields. In Delaware trials, G-4626 produced yields up to 200.9 bu./A.

G-4446 delivers superior late season standability, excellent grain quality and high test weights. A multi-purpose, widely adapted hybrid, G-4446 produced a state record 252.4 bu./A. in the 1986 Pa. Five-Acre Corn Club competition.

Get your ticket to superior performance by contacting your local Hoffman sales representative or our Landisville office. Call toll free 1-800-233-0137. In PA: 1-800-732-0456.

Hoffman Seeds, Inc.
Landisville, PA 17538
Dependable Seeds From Dependable People

The limitation of warranty and remedy on the tag attached to each bag of Funk s G-Hybrids and RA Hybrids is a part of the terms of sale thereof
Funk s is a brand name Numbers identify varieties

GRAIN & LIVESTOCK HEDGING SERVICES WITH
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MARTIN'S HAY & STRAW SALE
Public Auction Every Wednesday, 12 Noon Sharp
Location: John Primus & Son, Buck Run Road, Coatesville, PA

Coordinators:
Harvey Z. Martin 215-445-5303
John Martin Primus 215-383-6686
Leon Kurtz, Auctioneer
Mulch Contracts Also Available

FRIDAY, JAN. 13 - 1:00 PM
ON THE FARM MONTHLY
BRED GILT SALE
Sale To Start Promptly Every 4 Weeks

Located 4 miles east of former location, 1 mile off 472 midway between Quarryville & Oxford, PA, 1 mile south of Kirkwood, turn west off 472 at Union Church (Street Rd.) 1 mile to crossroad turn left, 2nd farm on right. Hill Road. Watch for sale signs.

Validated Brucellosis Free Herd #169
Qualified Pseudorabies Free Herd #55
50 to 60 Head

We have White Diamond F2's crossbred to Chester White & some 3-way cross - York, Landrace & Duroc.

Vaccinated for Lepto, Erysiplas, Rhinitis, E'Coli, Pasteueralla

Hand mated with Breeding Dates
Local Truck Available
No Hogs Sold On Commission

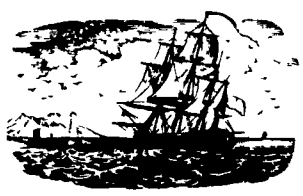
JOHN B. STOLTZFUS
R.D. 1, Kirkwood, Pa.
Abe Diffenbach, Auctioneer AU225L
NEXT SALE FRI., FEB. 10, 1.00 P.M.

THE OLD FARMER'S ALMANAC

JAN. 2-8, 1989

Eggnogged, snow-bogged.

Oscar Wilde declares "Nothing but my genius," to N Y customs officials on first visit to America, Jan 3, 1882 First moving picture newsreel in color released Jan 3, 1948 Sir Isaac Newton born Jan 4, 1642 Twelfth Night, Jan 5 (Thurs) New moon Jan 7 (Sat) Average length of days for the week 9 hours 12 minutes *January 2nd weather as it will be in September*



Ask the Old Farmer: My husband makes beautiful wind chimes We'd like to find a formula to give the copper wind chimes a verdigris effect Can you help us? B K , W Hartford, Conn

To turn copper green, get some sulphuric acid Experiment diluting the acid with water to get the color you want, and brush it on the chimes

Home Hints: Don't forget to place a smoke detector in your basement since that is where many fires start

OLD FARMER'S WEATHER FORECAST

New England: The week starts with a snowstorm, then a cold wave hits and it's sunny to end the week

Greater New York-New Jersey: Early week snowstorm ends seasonable weather, cold snap but sunny to finish

Middle Atlantic Coastal: Storm is heavy in east, snow in west Cold and sunny midweek and clearing

Piedmont & Southeast Coastal: Rain and snow in the west changing to more seasonable, then a cold snap and sunny

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Greencastle Livestock

Greencastle, Pa.
Monday, Dec. 26, 1988

CATTLE: 510 HEAD. SLAUGHTER STEERS 51. CHOICE & PRIME 69.00-76.00, FEW TO 77.35; GOOD & CHOICE 65.00-72.75; GOOD & CHOICE — HOLSTEIN 60.00-67.75; STANDARD & GOOD — HOLSTEIN 54.00-60.50. SLAUGHTER HEIFERS 82. CHOICE 67.50-73.00, FEW TO 75.50; GOOD & CHOICE 64.00-72.00; STANDARD & GOOD 54.00-64.00. COWS 281. UTILITY & COMMERCIAL 47.00-51.00, FEW TO 53.75; CUTTER & BONING UTILITY 44.00-50.00, FEW TO 52.75; CANNER & LOW CUTTER 44.50 & DOWN. BULLS 12 — ALL WEIGHTS YIELD GRADE 1 58.00-64.75; YIELD GRADE 2 53.00-59.00.

STOCKER CATTLE 84 — ALL WEIGHTS STEERS — MEDIUM & GOOD 70.00-89.00; HEIFERS — MEDIUM & GOOD 60.00-74.50; BULLS — MEDIUM & GOOD 57.00-72.00; STEERS — HOLSTEIN 55.00-67.00.

CALVES 435 HEAD. GOOD & CHOICE — 125-250 LBS. 90.00-105.00; MEDIUM & GOOD — 125-250 LBS. 79.00-91.00; MEDIUM & GOOD — 80 TO 120 LBS. 71.00-90.00; LIGHT & CULL — ALL WEIGHTS 70.00 & DOWN; HOLSTEIN BULLS — RETURN TO FARM UP TO 163.00, BULK 135.00-155.00; HOLSTEIN HEIFERS — RETURN TO FARM UP TO 150.00, BULK 120.00-140.00.

LAMBS, SHEEP & GOATS 90. CHOICE LAMBS 70.00-75.00, FEW TO 80.00; MEDIUM & GOOD LAMBS 66.00-76.00; LIGHT & FEEDER LAMBS 69.00-79.00; SHEEP, EWES & BUCKS 15.00-25.00; GOATS — ALL SIZES (BY HEAD) MED. & LARGE 40.00-60.00.

HOGS 142. NO. 1-3 BUTCHER HOGS — 190-225 LBS. 39.00-43.00; NO. 1-3 BUTCHER HOGS — 225-250 LBS. 42.50-44.75; NO. 1-3 BUTCHER HOGS — 250-300 LBS. 37.00-42.00; GOOD BUTCHER SOWS — 400 LBS. DOWN 30.00-36.50; GOOD BUTCHER SOWS — 400 POUNDS UP 30.00-35.00; HEAVY BOARS — OVER 300 POUNDS 22.50-25.50, LIGHT UP TO 31.00; PIGS — ALL SIZES (BY HEAD) 18.00-24.00.

SALE EVERY MONDAY AFTERNOON AT 2:00 P.M. & THURS. AT 1:00 P.M.

HAY & STRAW SALE EVERY MONDAY & THURS. AT 11:30 A.M.

SPECIAL FEEDER PIG SALE SAT., JAN. 7TH AT 1:00 P.M.

HAY & STRAW 22 LOADS.
ALFALFA 89.00-100.00; MIXED 68.00-96.00; STRAW 65.00-66.00/TON.

Valley Livestock

Athens, Pa.
Monday, Dec. 26, 1988
Report supplied by auction

HOLSTEIN HFR. CALVES TO 125.00.
VEAL CALVES TO 91.00.
BULL CALVES TO 157.50.
SLAUGHTER CALVES 60.00-78.00.
GRASSERS & FEEDERS 40.00-60.00.
LAMBS 55.00-75.00, NEW CROP TO 180.00.
SHEEP 18.00-25.00.
HOGS, 200 TO 250 LBS. 38.00-42.00.
SOWS 18.00-26.00.
BOARS 20.00-26.00.
PIGS 10.00-30.00.
HEIFERS 42.00-56.75.
STEERS 42.00-63.75.
STEERS, FEEDER 50.00-78.00.
BULLS, 48.00-59.25.
COWS, GOOD, 46.00-50.00.
COWS, MEDIUM, 43.00-46.00.
COWS, POOR OR SMALL 28.00-40.00.
CATTLE MARKET STEADY TO STRONG.
CALF MARKET STEADY.
GOATS TO 68.00.
HORSES SMALL TO 125.00.

Four States Livestock

Hagerstown, Md.
Wed., Dec. 28, 1988
Report supplied by Auction

SLAUGHTER: FED STEERS CHOICE TO PRIME 74.00-77.25; SELECT TO CHOICE 68.00-73.00; STANDARD 58.00-65.00.

FED HEIFERS: NONE.

COWS: GOOD RUN, $2 HIGHER; HIGH YIELD 51.00-54.00.; UTILITY 45.00-50.00; CANNER-CUTTER 43.00-46.00; SHELLY 43 DOWN.

BULLS: YG#1 56.00-60.00; YG#2 52.00-55.00.

VEAL CALVES: 1 PRIME 285 LBS. 118.00; GOOD 85-125 LBS. 73.00-85.00; 80-120 LBS. 68.00-73.00; 60-80 LBS. 63.00-68.00.

RETURN TO FARM CALVES: HOLSTEIN BULLS 95-125 LBS. 115.00-148.00, FEW TO 152.00.

HOLSTEIN HEIFERS: (1) 115 LB. AT 119.00, BULK 90-95 LBS. 84.00-97.00.

BEEF X BULLS AND HEIFERS: 80.00-99.00.

LAMBS: GOOD DEMAND. CHOICE 100-115 LBS. 70.00-72.00; 60-90 LBS. 77.00; 120-165 LBS. 49.00-59.00.

GOATS: LARGE 56.00-69.00.

STEERS MEDIUM FRAME: 400-600 LBS. 70.00-77.00; 600-800 LBS. 65.00-74.00.

HEIFERS: 26 HEAD OF ANGUS STOCK COWS, 475.00-500.00; 400-600 LBS. 62.00-67.00.

BULLS: 400-600 LBS. 67.00-72.00; 600-800 LBS. 62.00-68.50.

DAIRY REPLACEMENTS: SPRINGING HEIFERS 635.00-735.00; 700-900 LBS. 55.00-57.00.

PIGS AND SHOATS: BY THE HEAD 30-50 LBS. 19.00-29.00; BY THE LB. 140-185 LBS. 36.00-42.00.

STOCK BOARS: 230-280 LBS. 31.00-35.00.

SLAUGHTER HOGS: $1 HIGHER; 240-265 LBS. 43.75-44.00.00; 280-350 LBS. TO 40.50; 200-210 LBS. 40.00-41.50.

SOWS: 25 HEAD. $2 HIGHER. 300-450 LBS. 28.00-33.50; 500-750 LBS. 30.00-32.50.

BOARS: HEAVY TO 24.75; THIN 21.00-23.00.

NOTE: HAY SALE EVERY WEDNESDAY, 11:30 A.M.

Westminster Livestock Auction

Hagerstown, Md.
Tuesday, Dec. 27, 1988
Report supplied by auction

SLAUGHTER COWS: $1-$2 HIGHER; UTILITY 45.00-50.00; CANNERS 42.00-46.00; SHELLY 42.00 DOWN.

BULLS: 1 AT 1,390 LBS. AT 57.50; (1) 1,130 LBS. AT 54.75.

FED STEERS: FEW LOW CHOICE; SELECT HOLSTEINS 60.00.

FED HEIFERS: CHOICE 1,050-1,250 LBS. 70.00-73.75; 850-1000 LBS. 65.00-68.00.

VEAL CALVES: 150-250 LBS. CHOICE 96.00-109.00; CULLS 80-120 LBS. 68.00-75.00; 50-80 LBS. 62.00-69.00.

FARM CALVES: HOLSTEIN BULLS 95-125 LBS. 120.00-150.00; SMALL FRAME 85-95 LBS. 80.00-100.00; BEEF X BULLS AND HEIFERS 80.00-95.00.

BUTCHER HOGS: 65 HEAD. STEADY PRICES. US 1 & 2 230-250 LBS. 45.00-45.75; US #1 & 3 215-250 LBS. 43.00-44.50.

SOWS: 20 HEAD, $1-$2 HIGHER; 300-650 LBS. 28.00-32.50; THIN 25.00-28.00.

BOARS: TO 24.75.

STOCK CATTLE: 50 HEAD. PRICES HIGHER. STEERS: FEW 400 LBS. 80.00-85.00; 500-800 LBS. 70.00-73.00; 800-950 LBS. 63.00-75.00; 950-1050 LBS. 67.00-75.00.

HEIFERS: MAINLY LARGE FRAME 400-500 LBS. 70.00-77.50; 500-700 LBS. 69.00-75.00.

BULLS: 400-600 LBS. 74.00-84.00; 600-800 LBS. 64.00-66.00.

LAMBS: FEW OFFERED. NEW CROP 70 LBS. 90.00.

SHEEP: 20.00-29.00; LIGHTWEIGHTS 33.00-38.00.

GOATS: LARGE 50.00-70.00; MEDIUM 35.00-50.00; SMALL FLESHY 35.00-45.00.

PIGS AND SHOATS: 131 HEAD, $2 HIGHER; 30-50 LBS. 24.00-29.00; 50-75 LBS. 24.00-34.00.

BY THE LB. 150-180 LBS. 36.00-43.00.

STOCK BOARS: 250 LBS. 24.00-28.00.

NOTE: STATE GRADED FEEDER PIG SALE AT WESTMINSTER FRIDAY, JAN. 6 AT 1:30 P.M.

East Coast Carlot

Wed., Dec. 28, 1988
Report supplied by USDA

EAST COAST CARLOT MEAT TRADE DELIVERED PRICES (CAF) BOSTON TO WASHINGTON AREA INCLUSIVE.

COMPARED TO TUESDAY'S CLOSE: CHOICE AND PRIME SPECIAL FED VEAL 1.00 TO 2.00 LOWER. GOOD AND CHOICE BONING VEAL SLOW TO DEVELOP AS BOTH LIGHT SUPPLIES AND DEMAND CAUSE BUYERS' CAUTION; NO SALES REPORTED. CHOICE AND PRIME LAMB NOT ESTABLISHED, UNDERTONE UNSETTLED.

VEAL CARCASS- HIDE ON
CHOICE AND PRIME
(SPECIAL FED)
125 HEAD

220-280 LBS. LTD 218.00, 1.00-2.00 LOWER.

GOOD AND CHOICE
BONING TYPE
NORTHEASTERN SUPPLIERS

NO SALES REPORTED.

INSHIPPED

NO SALES REPORTED.

LAMB CARCASS,
CHOICE & PRIME
F.O.B. OMAHA

NO SALES REPORTED.

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GIGANTIC SALES
Monday, Jan. 2 - 9:30 A.M.
Wednesday, Jan. 4 - 9:30 A.M.
Buyers have been saying a lot of things against the tobacco auction to get your tobacco bought! We can understand why! We cost them a lot of profit that YOU made! Also, we have been their stiffest competition. We at the warehouse, also, have demand we **CAN NOT FILL,** and remember we only need to make our commission -- not a fortune! If you listen and believe everything you hear, you are making **A MARKETING MISTAKE!**
PLEASE COME TO OUR JAN. 2 SALE, then you can see for yourself what we are doing! We thank you for a full warehouse of beautiful tobacco for Mondays sale but remember, we also need large volumes of tobacco for upcoming sales.
GET YOUR TOBACCO STRIPPED
IT IS IMPORTANT FOR YOUR FUTURE THAT WE STAY! - SO REMEMBER US WHEN MARKETING SOME OR ALL OF YOUR TOBACCO!
HAPPY NEW YEAR!
We are now dealers of 3 compartment bale boxes, tobacco seed, and cotton baling twine.
PARADISE TOBACCO SALES

VIRGINIA MARKETS

Northern Virginia Area Livestock Summary

Orange, Va.
Wednesday, December 28, 1988

ALL TRENDS COMPARED TO LAST WEDNESDAY.

SLAUGHTER CATTLE 146 HEAD - NO TRENDS REPORTED.

SLAUGHTER STEERS AND HEIFERS 48 HEAD STEERS; SELECT 2-3 900-1100 LBS 63.50-65.00.

HOLSTEIN; SELECT 1-2 1100-1500 LBS 57.50-60.00 SELECT 1-2 1000-1400 LBS 54.50-55.00.

HEIFERS; CHOICE 2-3 1000-1150 LBS 70.25-73.00.

SLAUGHTER COWS 87 HEAD CUTTER & BNG. UT. 1-3 39.75-45.75 BRKG.UT. & COMM. 2-4 42.00-52.50 CANNER & LOW CUTTER 1-2 33.00-36.50.

SLAUGHTER BULLS 2 HEAD; Y G 1-2 900-1300 LBS 54.50 1-2 1600 LBS & OVER 60.50.

SLAUGHTER CALVES & VEALERS TOTAL RECEIPTS 9 HEAD VEALERS H CHOICE & PRIME 100-250 LBS 90.50-92.50 GOOD & CHOICE 100-250 LBS 80.00 CALVES GOOD & CHOICE 250-500 LBS 63.00-78.00.

LAMB RECEIPTS 16 HEAD FEEDER LAMBS CHOICE & FANCY 60-70 LBS 68.25.

FEEDER CATTLE 238 HEAD - NO TREND.

STEERS MED&LARGE 1 SMALL 1 MED&LARGE 2 300-400 87.00-89.25 78.50 -- 400-500 90.00 -- 85.25-87.00 500-600 85.75 78.50-83.50 77.50 600-700 -- -- 75.25-76.75 700-800 74.00-78.00 -- -- 800-900 71.25 -- -- HOLSTEIN STEERS MED&LARGE 1-2 500-700 63.50 HEIFERS MED&LARGE 1 SMALL 1 MED&LARGE 2 300-400 77.50-79.50 73.00-75.50 -- 400-500 76.50-78.50 74.50-78.75 65.50-73.00 500-600 75.00-79.50 70.50-75.25 -- 600-700 69.00-76.00 -- -- 700-800 70.00-73.00.

FEEDER BULLS MED&LARGE 1 200-300 94.00 300-500 80.50-87.50 500-700 75.50-78.50 700-900 62.50-64.00.

STOCK COW & COWS WITH CALVES TOTAL RECEIPTS 6. COWS RETURNED TO FARMS 6 HEAD. 46.00-58.00 PER CWT. BABY CALVES RETURNED TO FARMS 24 HEAD NEWBORN TO 4 WK OLD 35.00-112.00 PER HEAD. OVER 100 LBS 122.50-130.00 PER CWT.

Friend's Stockyard, Inc.

Accident, Md. 21520
December 26, 1988

STOCK BULLS & STEERS (200 TO 400 LBS.) 71.00-92.00 CWT.

STOCK HEIFERS 58.00-76.00 CWT.

SLAUGHTER STEERS GOOD TO CHOICE 66.50-71.80 CWT.; MEDIUM TO GOOD 58.00-66.00 CWT.

HOLSTEIN STEERS HEAVY 53.00-58.50 CWT.; LIGHT 48.00-52.75 CWT.

SLAUGHTER HEIFERS GOOD TO CHOICE 62.50-70.50 CWT.; MEDIUM TO GOOD 55.00-61.00 CWT.

BULLS HEAVY 57.50-66.00 CWT.; LIGHT 48.00-57.00 CWT.

COWS FEW HIGH DRESSING UP TO 52.25 CWT.; UTILITY (HOLSTEIN) 45.00-51.00 CWT.; CANNERS 41.50-47.00 CWT.; COMMERCIAL TO GOOD 40.00-44.50 CWT.; CULL COWS 38.00 CWT. & DOWN.

VEALS GOOD TO CHOICE 80.00-97.00 CWT.; MEDIUM TO GOOD 70.00-81.00 CWT.

BOB CALVES 45.00-74.00 CWT.

HOLSTEIN BULL CALVES RETURN TO FARM (100 TO 120 LB.) 120.00-151.00 CWT.

HOLSTEIN HEIFER CALVES RETURN TO FARM (100 TO 120 LB.) 90.00-102.00 CWT.

HOGS TOP QUALITY 45.00-46.75 CWT.; HEAVY 42.75-44.25 CWT.; LIGHT 30.00-38.00 CWT.

SOWS 25.00-34.50 CWT.

MALE HOGS 20.00-27.00 CWT.

LAMBS 67.00-74.50 CWT.

FEEDER LAMBS 60.00-77.00 CWT.

SHEEP 15.00-24.50 CWT.

EGGS LARGE 73¢-86¢ PER DOZ; MEDIUM 69¢ PER DOZ; SMALL 60¢ PER DOZ.

Frederick Livestock Auction

Frederick, Md.
Monday, Dec. 26, 1988
Report Supplied by Auction

BUTCHER COWS: $1-$2 HIGHER; HIGH YIELDING 50.00-53.00; UTILITY 45.00-49.50; CANNERS 42.00-46.00; SHELLY 42.00 DOWN; BULLS 1 STANDARD AT 55.00; STEERS SELECT 65.00-70.00; STANDARD 58.00-64.00; HEIFERS NONE.

BUTCHER HOGS: FEW US #1 AND 3, 230-260 LBS. 42.00-43.00.

SOWS: 400-700 LBS. 28.00-30.00.

BOARS: 500-700 LBS. TO 24.00.

VEAL CALVES: NO CHOICE OFFERED; GOOD FEW TO 135 LBS. TO 102.00; CULL CALVES 85-120 LBS. 67.00-75.00, 50-80 LBS. 63.00-69.00; WEAK AND ROUGH 55.00 DOWN.

CALVES RETURNING TO FARM: STEADY PRICES. HOLSTEIN HEIFERS 90-120 LBS. 85.00-112.00; HOLSTEIN BULLS 85-95 LBS. SMALL FRAME 75.00-100.00, FEW TO 120.00, 95-125 LBS. 120.00-148.00.

SHEEP: 21.00-26.00.

GOATS: LARGE 64.00-68.00.

STOCK CATTLE: LIGHT RUN. STEERS, FEW OFFERED; HEIFERS 300-500 LBS. 58.00-66.00, 1 TO 75.00; DAIRY COWS 725.00 AND 735.00; SPRINGING HEIFERS 625.00-780.00.

PIGS AND SHOATS: BY THE HEAD 25-40 LBS. 21.00-26.00; THE THE LB. BOARS 230-250 LBS. 25.00-30.50.

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- Your cattle will be received from 12:30 to 5 P.M. We will either pay you for your cattle immediately or you may sell them dressed weight.
- There will not be a commission or yardage fee deducted from your check.
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Danville Buying Station
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THURSDAYS - Cattle & Calves 7:30 AM to 4 PM
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Williams — Williams 82 - 61.2 Bu/A - Group III

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Lancaster Farming

OPINION

A Good Year For Farmers

If you were to measure agriculture's success by beneficial state legislation, you would call 1988 a very good year. The General Assembly approved and Governor Robert Casey signed a number of bills that enhanse the position of agriculture in the commonwealth.

Some of the major bills already signed by the governor are well known. The creation of an independent Animal Health Commission wll provide stability for the state's animal health efforts. The secretary of agriculture will chair this commission.

And the $100 million farmland preservation program got underway with guidelines on funding and how the program will operate.

In other acts, the state ag department can license and regulate poultry haulers and dealers and establish standards for cleanliness of vehicles and crates. This will help prevent the spread of disease. In addition, the state Crime Code now contains separate offenses for ag vandalism. And the coyote attacts on farm animals, especially sheep will receive attention from the state dog law's livestock indemnity fund for losses of livestock, poultry and game birds due to coyotes.

But maybe the greatest success for the farmer was the passage of the bill that paves the way for local tax reform. While the legislation must be approved by the voters in a referendum, the prospects for property tax relief give farmers a lot of hope. The tax changes if approved will eliminate the local per capita, occupation assessment and personal property nuisance taxes and will allow school districts and municipalities to reduce property taxes by 25 percent. The reductions will be offset by personal income taxes up to 1.5 percent for school districts and .75 percent for municipalities. Counties will be able to collect a sales tax of up to .5 percent.

The Pennsylvania Farmer's Association estimates the tax changes will save Pennsylvania farmers a total of $23,750,000 annually for an average of $420 per farm. That's not chicken feed. In fact PFA's President, Keith Eckel calls the various pieces of legislation "A harvest of state legislation--one of the best in recent memory."

With all the political manuvering, we come to the last day of the year and look back. And we conclude they must have had the farmer at heart in Harrisburg after all.

Farm Calendar

Saturday, December 31

Deadline for Emergency Feed Program Applications To Be at ASCS Office.

Wednesday, January 4

County Tobacco Meeting Show, Lancaster Farm & Home Center, 10 a.m. to 3 p.m.

Wayne Co. Dairy Reproductive Management Seminar, Extension Office, Honesdale, 9:30 a.m.

Schuylkill County Dairy Day, Penn State Schuylkill Campus.

Thursday, January 5

Northeastern Weed Science Society Symposium, Stouffer Harbor Place Hotel, Baltimore.

SOILS PSU Course, 7:30 p.m. to 9:30 p.m., Montgomery Co., 4-H Center, Creamery, PA.

Future of Lancaster Agriculture, Lancaster Farm & Home, 7:30 p.m.

Lycoming Co. Annual Meeting, Hoss's Steakhouse, Williamsport.

Saturday, January 7

PA Farm Show, Harrisburg Farm Show Complex, through Jan. 13.

Dauphin County Annual Meeting, Dauphin Co. Ag & Natural Resource Ctr.

Monday, January 9

Pesticide Exam, Lancaster Farm & Home Center.

York County Family Records Workshop, 10 a.m. to 7 p.m., Extension Office.

Egg Producers Meeting, Lancaster Holiday Inn North, 6:30 p.m.

Tuesday, January 10

Annual Meeting & banquet of the PA Dairyman's Association, Sheraton Harrisburg East.

Thursday, January 12

SOILS PSU Course, 7:30 to 9:30 p.m., Montgomer County 4-H Center, Creamery.

Westmoreland/Indiana Dairy

(Turn to Page A35)

NOW IS THE TIME

By Jay Irwin
Lancaster County Agriculture Agent

To Attend Farm Show Events

Time has a way of creeping up on us, and here it is... nearly Farm Show time. The Farm Show will open again this year on Sunday, January 8 and close on Friday, January 13. The theme for the exhibition is "Pennsylvania Agriculture -- The Keystone of our Economy." Well, we are proud of our agriculture because of the hard work of our family operated farms. And here is an opportunity for our farmers to show the consuming public the high quality products raised on our farms today.

Active farmers should recognize the many educational meetings and banquets that are held during the week. Many of these are state-wide organizations and should have economic benefits to the producer.

To Sharpen Management

As we look ahead to 1989, it is difficult to realize just what major problems will confront the average farmer. It remains to be seen what effect the political atmosphere will have on agriculture. However, it is evident that profits will be difficult to realize and some very good management will be needed to come out in the black. Today's farmer must be a better businessman than his forefathers. A farmer must be able to handle labor, money, equipment and keep up-to-date on all regulations and cultural practices. A farmers should practice good public relations with his neighbors and respect the rights of others. Good management is just as important in farming as it is in any other industry or business. Work at it and it will pay dividends.

For Better Water For The Bay, And Lancaster

An important part of Pennsylvania's Chesapeake Bay Program is showing farmers in this area that adopting "best management practices" or BMP's benefits the Bay as well as agriculture, according to Mitchell Woodward, Nutrient Management Agent with Penn State Cooperative Extension. Through the Bay program, farmers learn improved erosion control techniques as well as ways to manage applications of manure and fertilizers. The program provides financial assistance and technical guidance to landowners for installation of BMP's.

During the first two days of the program, five watersheds in the lower Susquehanna River Basin were targeted for the initiation of the program. By late 1986, the first 100 farmers were enrolled and had developed crop nutrient management plans.

Good progress has been made since then. Farmers as well as homeowners, businesses and industry have all contributed and made an impact on cleaning up our water in our county. However, if the program is to succeed, ultimately we all must make a commitment, as many farmers and other have done.

With all of us concerned and committed to water quality, each doing what he can instead of placing blame, we can make significant strides in improving water quality here and in the Chesapeake Bay.

To Be Sure Ice Is Safe For Skating

Farm ponds make great ice skating rinks... that's so long as the ice is strong enough. The general rule on thickness is that two inches will support one person and three inches will support a line of people. Thickness is not always the most accurate guide though. Other factors include color and age. New ice is stronger than old ice, and clear blue ice is stronger than slush ice. Be especially cautious with ponds that are either fed by a spring or have a fast moving current. The thickness of these ponds will vary considerably.

THE BIBLE SPEAKS
BY LAWRENCE W. ALTHOUSE

A KINGDOM TOO SMALL

January 1, 1989

Background Scripture:
Luke 4:14-44.
Devotional Reading:
Isaiah 61: 4, 10, 11.

It might appear that, according to Luke, Jesus began his ministry in his home town of Nazareth. If you read carefully, however, you'll find that by the time he arrived there, "a report concerning him" had already gone out "through all the surrounding country" that he was teaching in the various synagogues. (Luk. 4:14-15,). And there was more: Jesus was performing miracles of healing. When Jesus came to Nazareth, he anticipated that his fellow townspeople wanted to say to him: "What we have heard you did at Capernaum, do here also in your own country" (4:23).

So, it would seem that the people of Nazareth were receptive to him and when he read from the scroll of Isaiah in the synagogue, Luke tells us "all spoke well of him and wondered at the gracious words which proceeded out of his mouth. Although some commentators would disagree with me, it seems these people were ready to accept him as a "local boy who made good," "Is not this Joseph's son" they asked with growing pride.

ONE OF OUR OWN

If Jesus had left town at that very moment, perhaps they would have continued to claim him as one of their own. After all, the countryside was buzzing with accounts of what he had said and done in neighboring towns and villages. But Jesus knew these people and realized that their receptivity was motivated by pride, not by faith. They were glorying in his sudden fame and what they really needed was humility.

So Jesus quickly brought them to earth: "Truly I say to you, no prophet is acceptable in his own country" (4:24). Jesus saw himself as a prophet, not a celebrity, and the purpose of a prophet is to evoke humility, even repentance, not pride. If you like what you hear a prophet saying, you probably didn't understand his or her message!

Nobody in the Nazareth synagogue liked what they heard Jesus say. Citing two incidents from their scriptures — I Kings 17:1-16 and 2 Kings 5:1-14 — Jesus reminded them that God's grace did not belong to the people of Israel. God sometimes gave his help to foreigners and not the people of Israel. So, in a time of great drought, God sent the prophet Elijah to aid a single Syrophoenician woman and later, when there were many lepers throughout the land, Elijah healed only Naaman, the Syrian general, of leprosy. What really infuriated the people of Nazareth was the reminder that God had helped strangers and failed to bring relief to Hebrews with the same complaint.

WHO BELONGS TO WHOM?

The people of Nazareth liked the idea of the kingdom of God, but the kingdom they looked for was too small. Their kingdom was not big enough for outsiders. They thought that being God's chosen people meant that they had the right to expect preferential treatment. If God was going to help or heal anyone, let it be one of them!

We can understand how they felt, can't we? Aren't most of us tempted to think that same way? Wouldn't it bother us if God were to send us a prophet who was to spend much of his time and efforts outside the church? After all, he belongs to us, doesn't he? We're the ones who are trying to do his work on earth. We're the ones who go to church on Sundays. If Christ is going to appear anywhere on earth, it ought to be in a Christian church — preferably ours, of course!

But no, we've got it all wrong: he doesn't belong to us, we belong to him. It is his kingdom that matters. Not ours, for they are never big enough.

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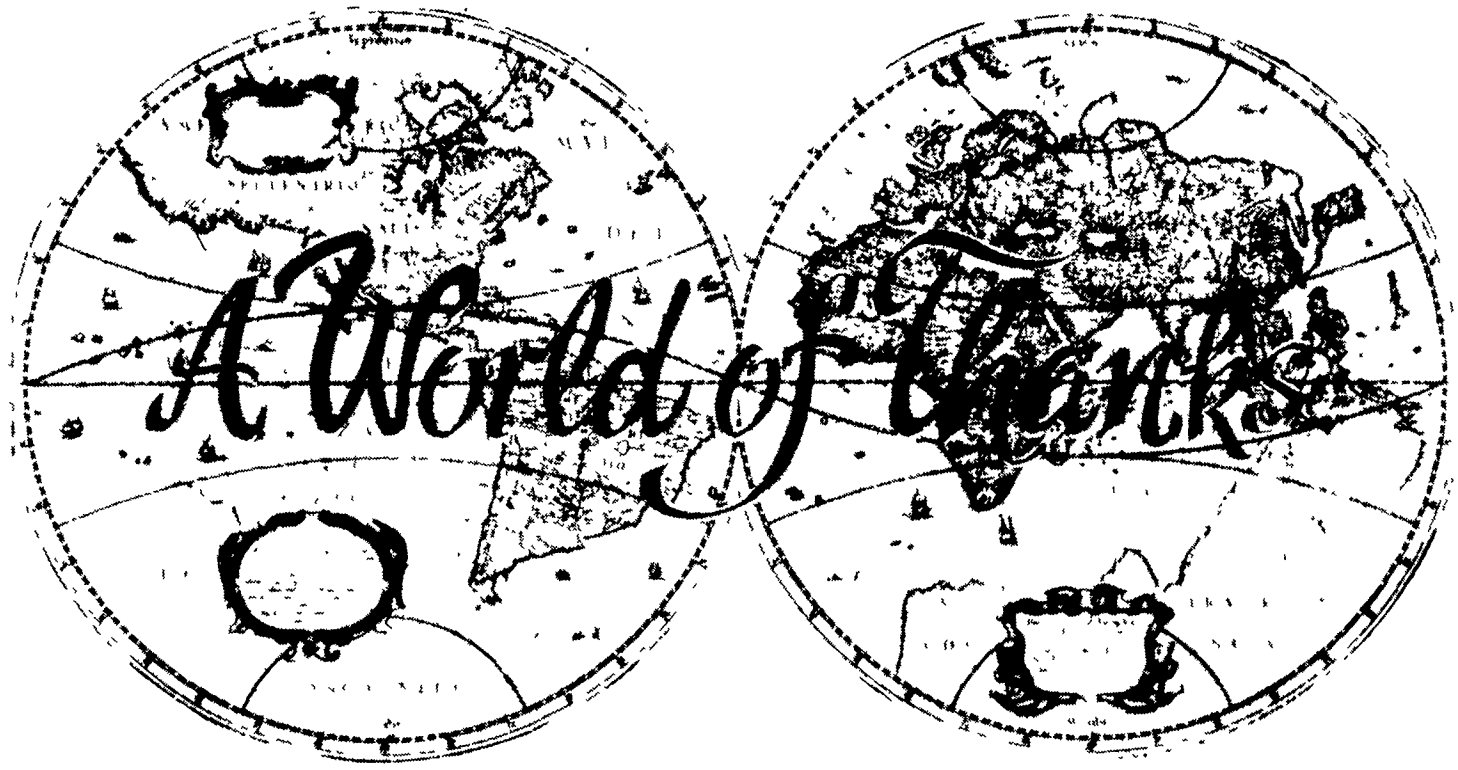
To All Our Customers



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As we enter this New Year, our sincere desire for all of you is Health, Happiness and Prosperity!

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Philly Fruit Market

Philadelphia, Pa.
Thursday, December 29, 1988

GRAPEFRUIT ABOUT STEADY FL carton Seedless Red 27s 10.00 32s 900-10.00 36s 800 40s 750 48s 650-700 56s 5-550 White fair quality 32-48s 300-500 Indian River Red 23s 14.50 27s 13.50-14.50 32s 10.50-12.00 one lot 13.50 36s 950-10.50 one lot 11.50 40s 850 one lot 10.50 48s 650-700 one lot 950 Fair quality 27s 10.00-11.00 32-36s 700-800 White 23-27s 800 32s 500 36-40s 700 48s 600 fair quality 36s 550-600.

LEMONS STEADY carton CA one label 95-115s 23.00 140s 18.00-18.

50 165- 200s 16.50 fair quality 95s 16.00 115s 12.00-14.50 165s 12.50 200s 11.50.

LIMES ABOUT STEADY Persian Seedless 10-lb carton FL 48s 10.00 fair condition 700-800 54s 10.00 63s 10.00-10.50 MEXICO 42s fair quality 550-700 few 800 54-63s 700-800.

ORANGES STEADY CA carton Navel 48s 18.50 56s 18.50-20.00 72s 15.00-17.00 88s 13.50-14.00 113s 10.00-10.50 138s 950 fair quality 56s 10.00 72s 12.00-13.50 88s 11.00-12.00 113s 850-900 138s 750 FL 4/5 bushel carton Hamlin 64s 10.00 80s 900-10.00 100s 800-900 113s 900 125s 800-900 Navel 36-80s 11.50-12.00 64s 10.50-11.50 80s 10.00-11.50 100s 600 125s 500.

TANGELOS STEADY FL 4/5 bushel crate & carton Orlando 64-66s 12.00 80s 11.50-12.00 100s 950-11.00 125s 800-950 Minneolas 32-56s 14.00 64s 16.00 80s 14.00 100s 12.00.

TANGERINES STEADY FL 4/5 bushel crate & carton Dancy 80s & 100s 22.00-24.00 120s 20.00-23.00 150s 17.00-18.00 one lot 21.00 176s 15.00 fair quality 120s 15.00-16.00 150s 12.00 176s 10.00 Sunburst 120s 23.00.

MISCELLANIOUS CITRUS FL 4/5 bucrt & ctn Temple 80s 13.00-14.00 100s 12.00-13.00 125s 11.00 one lot poor condition 64-125s 100-300.

APPLES STEADY carton tray pack WA Red Delicious WA Extra Fancy preferred labels 48s 18.50-19.00 56s 17.50-18.50 64s 17.50-18.50 72s 18.50-19.00 80s 18.00-18.50 88-113s 17.50-18.50 USExtra Fancy 56-80s 14.50 88s 14.50-15.00 100-113s 14.50 WA Fancy 100s 14.00 Granny Smith USExtra fancy 88s 21.00 100s 18.50 Cell pack WA extra fancy Red Delicious 80s 20.00 96s 19.50-21.00 PA no grade mark loose Red Delicious & Golden Delicious 650-700 FRANCE Granny Smith 100s 20.00 12-3 lb film bags US Fancy 2-1/4 inch minimum PA Red Delicious & Golden Delicious 700-800 Stayman 7-750 Combination USFcy & USExFcy Red Delicious 8-850.

APRICOTS SUPPLIES INSUFFICIENT TO QUOTE.

AVOCADOS ABOUT STEADY CA carton 2-layer carton Hass 40s & 48s 30.00 Bacon 20s 800 Fuertes 20s 900 48s 20.00.

BANANAS Imports carton approximately 40-lb 12.00 fair quality 10.00-10.50 film wrapped 11.00-11.50 Institutional pack Petite 150s 11.00.

CHERRIES STEADY CHILE 11-lb lug Bing 9-10 row 15.00-16.00 11-12 row 13.00-14.00 13 row 16.00 Lambert 9-10 row 11.00-12.00.

GRAPES-TABLE STEADY CA 20-lb wrapped lug Emperors 10.00 21-lb film bags lug Calmeria 900 Ribier 11.00 Ruby Seedless 10.00 23-lb lug Ribier 12.00 Emperors 800-900 Ruby Seedless 900-10.00 CHILE 18-lb lug wrapped Perlette small 18.00-22.00 fair quality 16.00 one lot high as 24.00 Flame Seedless 16.00-18.00 fair quality 13.00-14.00 Thompson Seedless 33.00 fair quality 23.00-24.00 Superior Seedless 33.00 Black Seedless 15.00-16.00.

KIWIFRUIT STEADY CA 1-layer flat 36s 800 39s 650-800 42s 750.

MANGOS NO SUPPLIES.

NECTARINES STEADY CHILE 2-layer lug Early Spring Grand 60s & 70s 16.00-18.00 Armking 50s 11.00-12.00 60s 900-10.00 70s 700-800.

PAPAYAS HAWAII flat carton via air 12s 12.00.

PEACHES STEADY CHILE 2-layer lug Springcrest 50s 10.00 70s 800-12.00 one lot 18.00 80s & 100s one label 18.00.

PEARS STEADY WA 4/5 bushel carton wrapped US#1 D'Anjou 80s 18.50 90s 18.50-20.00 100s 17.50-18.50 110s 16.50-18.50 120s 16.00-17.50 135s 15.00-16.50 Red Bartlett 100-120s 18.50 Bosc 80 & 90s 25.00 100s 24.00- 25.00 110s 23.00 120s 22.00 135s 15.50 150s 14.50-15.00 36-lb carton Seckel Type loose 15.00 extra fancy wrapped 252 size 20.00.

PERSIMMONS TOO FEW SALES TO QUOTE.

PLUMS CHILE 2-layer lug Red Beaut 80-88s 700-800.

POMEGRANATES NO SUPPLIES.

RASPBERRIES CHILE flats 12-1/2 pint trays film overwrapped Red via air 18.00.

STRAWBERRIES ABOUT STEADY Flats 12-1 pint trays FL medium & medium- large 10.00-12.00.

CANTALOUPS ABOUT STEADY 1/2 carton HONDURAS 15s 18.00 18s 20.00 fair quality 15.00 MEXICO 15s 20.00.

HONEYDEWS 2/3 cartons ECUADOR 9s 18.00.

MISC MELONS GUATEMALA 2/3 carton Mayan 5s & 6s 18.00.

St. Louis Cattle, Hogs

Wednesday, December 28, 1988

OPENING MID-SESSION CLOSE.

CATTLE AND CALVES: 100 (50 SLTR, 50 FDRS).

AS COMPARED TO TUESDAY, INSUFFICIENT VOLUME SLAUGHTER STEERS AND HEIFERS TO FULLY TEST PRICES. COWS FIRM TO 1.00 HIGHER, ADVANCE.

ON LIMITED SUPPLY HIGH YIELDING CUTTER AND BONING UTILITY. TOO FEW BULLS TO ESTABLISH A MARKET.

SLAUGHTER CLASSES:

SLAUGHTER STEERS: SELECT AND CHOICE 2-3 950-1150 LBS. 67.00-71.00.

SLAUGHTER HEIFERS: SELECT AND CHOICE 2-3 850-1050 LBS. 67.50-70.00.

COWS: CUTT, UTIL, COMM BULK SALES HI DRESS % LO DRESS % BREAKING 2-4 45.00-49.00.

BONING 1-2 49.00-50.00 50.00-52.00.

CANNER & CUTTER 1-2 43.00-47.00.

SHELLY CANNER 1-2 38.00-43.00.

SLAUGHTER BULLS: SCARCE DS DD 49.00-52.00 DE 46.00-52.00.

Indiana Livestock

Homer City, Pa.
Thursday, December 29
Report supplied by PDA

CATTLE: 129. Sl. steers, heifers and cows .50 to mostly 1.00 higher; Choice sl. steers 70.00-73.50; Select 64.00-67.50; few Standard 58.00-64.00; Choice sl. heifers 69.50-73.00; individual 74.50; Select 62.00-65.50; few Standard 55.00-58.00; Breaking Utility & Commercial sl. cows 47.75-51.00; Cutter & Boning 45.00-49.00; Canner & Low Cutter 40.00-44.50; shells down to 37.00; 2 Choice bullocks 63.25 & 64.00; few Select 59.00-62.50; individual YG 2, 1300 lb. sl. bull 51.75.

FEEDER CATTLE: Steers few Med. 1, 700-1000 lb. 59.00-65.00; heifers few Med. 1, 400-500 lb. 65.00-71.50.

CALVES: 119. Few Choice vealers 106.00-109.00; few Good 92.00-99.00; Standard & Good 90-120 lb. 66.00-76.00; 60-85 lb. 55.00-69.00.

FARM CALVES: Hol. bulls 90-125 lb. 100.00-150.00, few to 165.00; beef cross bulls and heifers 85-115 lb. 74.00-110.00.

HOGS: 222. Barrows & gilts .50-.75 higher; US 1-2, 220-260 lb 45.00-46.00; 1-3, 220-265 lb. 44.25-45.25; 2-3, 216-260 lb. 43.00-44.00; sows US 1-3, 315-650 lb. 33.00-36.50; 2-3, 300-600 lb. 31.00-33.00; few boars 22.00-25.00.

FEEDER PIGS: 44. US 1-3, 25-40 lb. 16.00-24.00; 45-60 lb. 24.00-32.00.

SHEEP: 21. Lot High Choice 86 lb. wooled sl. lambs 71.50; sl. sheep 23.00-29.00.

GOATS: 2. Medium 38.00 & 43.00 per head.

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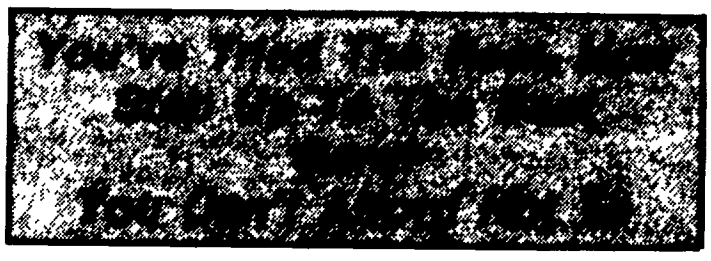
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Philadelphia Vegetables

Philadelphia, Pa.

ARTICHOKES CA carton 36s 14.00.

ASPARAGUS PERU 5-kilo crate large and standard ordinary condition 500-700.

BEANS SUPPLIES LIGHT FL various bushel containers Round Green type hand-picked 30.00 MEXICO 1-1/9 bushel crate Kentucky Wonder type 26.00- 28.00 bushel crate Round Green type 23.00-25.00.

BEETS SLIGHTLY LOWER crate bunched TX 12s 650 24s 900-10.00.

BROCCOLI ABOUT STEADY carton bunched CA 14s 11.50-12.00 AZ 14s 12.00 18s one label 14.00 TX 14s 800-10.00 TX 18s 10.00-11.00.

BRUSSEL SPROUTS SUPPLIES LIGHT 25-lb carton CA 10.00-10.50.

CABBAGE ABOUT STEADY 1-3/4 bushel carton & crate medium green unless otherwise stated FL 750-900 Savoy type 900 Red 10.00 50-lb sks NY large 550.

CARROTS LOWER 48-1 lb film bags in film sacks CA medium-large 950- 11.00 FL medium 700-850 CANADA medium 600 MEXICO medium 10.00-11.00 50- lb sacks loose jumbo CA 600 FL 650-700 CANADA 600 Carton bunched 24s CA 10.50 Miniature type carton 24s CA 10.00-11.50 20-12oz film bags FL 600.

CAULIFLOWER ABOUT STEADY carton film wrapped TX 9s 10.00 12s 12.00 CA 9s 10.00-11.00 12s 12.00.

CELERY ABOUT STEADY CA carton 1-1/2 dozen 10.00 2 dozen 12.00-13.00 2 1/2 dozen 11.00-12.00 3 dozen 10.00 TX carton 2 dozen 900-11.00 2-1/2 dozen 900-10.00 FL carton & crates 2-1/2 dozen 900-10.00.

CHINESE CABBAGE ABOUT STEADY FL celery crate 600-750 1-3/4 bushel crate Bok Choy CA 11.00 Nappa 900-11.00.

CORN MEXICO SUPPLIES LIGHT carton approximately 4 1/2 dozen FL crate Yellow one label 15.00 MEXICO White one label 15.00.

CUCUMBERS STEADY 1-1/9 bucrt & ctn waxed med unless otherwise stated MEXICO 15.00-16.00 fair quality 12.00-14.00 small 12.00-13.00 FL Long Seedless type film overwrapped 12s few 12.00.

EGGPLANT ABOUT STEADY 1-1/9 bushel carton and crate FL medium 800 fair quality 600.

ENDIVE ABOUT STEADY 1-1/9 bushel crate FL 500-650 mostly 6-650 CA carton 24s 10.00.

ESCAROLE ABOUT STEADY 1-1/9 bushel crate FL 650-750 mostly 700 CA carton 24s 10.00.

GREENS ABOUT STEADY crate approximately 1-1/2 bushel bunched unless otherwise stated GA Collards and Kale 650-700 Mustard, Turnip Tops and Rape 600-650 mostly 650 VA Collards 500 Kale 550-600 NC Collards 500 TX 24s Collards 750 Kale 800 CA carton bunched 24s Chard Green and Red 900 Kale 650-700 Red Kale 14.00-15.00 20 lb carton Broccoli Rabe 25.00-26.00 one label 21.00-22.00.

LEEKS FL carton bunched 12s 10.00-12.00 CA carton bunched 12s 12.00.

LETTUCE-ICEBERG ABOUT STEADY carton 24s unless otherwise stated CA 11.00-13.00 AZ 13.00 film wrapped 11.00-12.00 30s 900-10.00 FL 10.00.

LETTUCE-ROMAINE STEADY CA carton 24s 11.00-14.00 crate 15.00-17.00 AZ carton 24s 12.00-13.00 FL carton 24s 800-900.

LETTUCE-OTHERS BIG BOSTON carton 24s CA 700-10.00 FL 750 AZ 800 BIBB FL carton 24s 600 LEAF CA carton 24s 700-950 Red 700-8.00 AZ carton 24s 800-900 Red 800-900 FL carton 24s 600.

LETTUCE-PROCESSING No supplies.

MUSHROOMS STEADY PA 4-quart basket medium-large 525-550 small-medium 425-450 10-lb carton medium 925-950 large 10.75 extra large 11.75 packages 10-12 oz 925-950.

OKRA SUPPLIES INSUFFICIENT TO QUOTE.

ONIONS-GREEN SLIGHTLY HIGHER TX carton bunched 24s med-lg bulb 8-850 MEXICO carton bunched 48s 800-10.00.

PARSLEY SLIGHTLY HIGHER bunched 5 dozen Curly unless otherwise stated CA carton 950 plain 12.00 FL crate 800-10.00 TX carton plain 11.00.

PEAS-GREEN SUPPLIES INSUFFICIENT TO QUOTE.

PEAS-SOUTHERN SUPPLIES INSUFFICIENT TO QUOTE.

PEAS-SUGAR ABOUT STEADY 10-lb carton per lb CA 140 GUATEMALA 120-130 MEXICO 110-120.

PEPPERS SLIGHTLY LOWER 1-1/9 bushel crates & cartons California wonder type Green unless otherwise stated FL extra large 800-900 large 600-800 medium 450-550 small 300-350 Mixed Red large 500-600 Red medium 800 MEXICO extra large & large 650-750.

RADISHES ABOUT STEADY carton Red 30-6 oz film bags FL 650-700 mostly 650 14-1 lb film bags 675 bunched 24s 700 White 24-8 oz film bags 700 MEXICO Red bunched 24s 650.

RUTABAGAS 50-lb carton CANADA #1 waxed 700.

SPINACH ABOUT STEADY Savoy type 1-1/4 bushel crate NJ 600 CA Flat type carton 24s 9-950 TX carton 800-10.00.

SQUASH FL 1/2 bushel carton Zucchini small-medium few 600 MEXICO 28- lb lug Zucchini medium 400.

SWEET POTATOES ABOUT STEADY 40 lb carton Jewel type cured US #1 NC 12.00-13.00 large 8-850 fair quality 7-750 DE 10.00 NJ 1/2 bu carton Yellow Jersey 10.00-11.00.

TOMATOES HIGHER 25-lb carton Pink to Light Red 85% US#1 or better unless otherwise stated FL 5x6s 900-10.00 6x6s 600-700 6x7s 550-650 fair quality 5x6s 650-850 6x6s 500-650 6x7s 5-550 REPACKED LOCALLY FL 5x6s 11.00 6x6s 900 PLUM TYPE MX 900 CHERRY TYPE 12-1 pint flats FL 800-10.00.

TURNIPS STEADY topped 25-lb film bags medium PA 600.

CORRECTION ---SQUASH MEXICO SHOULD READ ZUCCHINI SMALL-MEDIUM & MEDIUM 700-800 INSTEAD AS SENT.

Philly Potato & Onion

Philadelphia, Pa.

Thursday, December 29, 1988

ONIONS-DRY STEADY 50-lb sacks US#1 or generally good quality and condition Yellow unless otherwise stated CO Spanish Hybrids jumbo 950- 10.00 mostly 950 White Jumbo 12.00 Medium 10.00 25-lb sacks Red jumbo 10.50 ID-OR Spanish Hybrids jumbo 950 NY Globe type medium 7-750 mostly 700 small-medium 600-700.

POTATOES ABOUT STEADY 50-lb sacks US#1 size A washed or brushed unless otherwise stated Round Whites LI 6-625 large 7-725 ME 550-625 mostly 575 large 7-725 CANADA CD#1 Prince Edward Isle 625 large 725-750 New Brunswick 575 Round Reds MN-ND 900 size B 12.00 Russets 50-lb carton count ID 70s 14.00 80s 12.00-14.00 mostly 13.00-14.00 90s 12.00- 13.00 mostly 13.00 100s 11.00-12.50 mostly 12.00 WI 80s 11.00 90s 10.00 100s 900 CANADA CD#1 Prince Edward Isle 80s 13.00 90s 12.00.

North Jersey Livestock

Hackettstown, NJ

Tues., Dec. 27, 1988

Report supplied by auction

CALVES .08-1.47½.
COWS .40-.51½.
EASY COWS .02-.47½.
NON-CERTIFIED CALVES .42.
HEIFERS .43½-.62.
BULLS .37-.74.
STEERS .47¼-.68¼.
HOGS .32-.42.
ROASTING PIGS, EACH 32.00.
SHEEP .22-.65.
LAMBS EACH 19.00-80.00.
LAMBS PER LB. .51-1.07.
GOATS EACH 46.00-119.00.
KIDS EACH 18.00-66.00.
HIDES EACH 24.00.
TOTAL 1,270.

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An Invitation To Lancaster County Vegetable Growers

Hear Don Robinson at the Bareville Fire Hall

January 5, 1989 at 12:30 P.M.

Don will be speaking on the following subjects:

- Yields on Vegetable Demonstration Plot At Leola Produce
- Comparison of Vegetable Varieties
- Soil Fumigation
- Economics of Vegetable Production

Also Speaking

Bruce Hellerick - Lancaster Co. Horticulture Agent
Kevin Topp - Representative of Harris Moran Seed Company

On Display

A Trickle Irrigation System By Warren Nolt

Meeting Will Qualify Farmers For Pesticide License Update Credits

Leola Produce Auction Inc.

Leoal, PA 17540

Peoria Cattle

Peoria, Illinois

Thursday, December 29, 1988

TRADING ACTIVE, DEMAND MODERATE. COMPARED WITH LAST WEEKS CLOSE SLAUGHTER STEERS SOLD 1.50 TO 2.00 HIGHER; SLAUGHTER HEIFERS 1.00 TO 1.50 HIGHER. SLAUGHTER COWS AND BULLS SOLD FULLY STEADY. BULK OF SALES TUESDAY WITH NO CLASS WELL TESTED LATER IN THE WEEK. SUPPLY MAINLY SELECT TO AVERAGE CHOICE SLAUGHTER STEERS AND HEIFERS WITH ABOUT 15% COWS. ESTIMATED RECEIPTS THIS HOLIDAY SHORTENED WEEK ABOUT 800 AS COMPARED WITH ACTUAL RECEIPTS OF 1016 A WEEK AGO AND 1593 A YEAR AGO.

SLAUGHTER CLASSES: STEERS: CHOICE 2-4, MOSTLY 3, 1050-1250 LBS. 73.50-75.50 900-1050 LBS. 72.00-73.50 SELECT & CHOICE 2-3, 1000-1200 LBS. 70.00-72.00.

HEIFERS: CHOICE 2-3 1100-1225 LBS. 73.50-74.50 CHOICE 2-4, MOSTLY 3, 1050-1200 LBS. 72.00-73.50 950-1100 LBS. 71.00-72.00 SELECT & CHOICE 2-3, 900-1100 LBS. 69.00-71.00.

COWS: BREAKING UTILITY AND COMMERCIAL 2-3 42.00-45.00 CUTTER AND BONING UTILITY 1-2 44.00-48.00 HIGH DRESSING INDVIDUALS 49.00-50.00 CANNER AND LOW CUTTER 1-2 37.00-42.00.

BULLS: YIELD GRADE 1-2 1500-2100 LBS. 56.00-59.00 1100-1500 LBS. 50.00-56.00.

Oklahoma City Feeder Cattle Weekly

Oklahoma City, Okla.

Wednesday, December 28, 1988

OKLAHOMA NATIONAL STOCKYARDS: WEEKLY CATTLE SUMMARY: COMPARED WITH LAST WEEKS CLOSE---FEEDER CATTLE AND CALF TRENDS NOT TESTED; CHRISTMAS WEEK RECEIPTS LIGHT. COWS COMPRISED 55% OF TOTAL NUMBERS WITH TWO-THIRDS GOING TO PACKERS, ONE-THIRD TO COUNTRY BUYERS. SLAUGHTER COWS SOLD STEADY TO 2.00 HIGHER; PACKER TRADE ACTIVE. FEW SLAUGHTER BULLS STEADY. RECEIPTS THIS WEEK 450; LAST WEEK 1,053; LAST YEARS HOLIDAY PERIOD 377. SUPPLY INCLUDED: 30% YEARLING FEEDER CATTLE; 15% FEEDER CALVES; BALANCE COWS AND BULLS. BULK QUOTES FOR THE WEEK FOLLOW ON COWS AND BULLS. FEEDER NUMBERS TOO LIMITED TO ESTABLISH PRICE RANGES.

SLAUGHTER COWS: CUTTER AND BONING & BREAKING UTILITY 1-4 OVER 900 LB. 47.00-52.00, HIGH-DRESSING 51.50-53.75; 800-900 LB. WEIGHTS 45.50-47.75. LOW-DRESSING CUTTERS 45.50-46.25.

SLAUGHTER BULLS: YG 1 1500-1700 LB. 59.00-62.00; LOT MIXED SLIGHTLY THIN LOW-DRESSING AND FLESHY 54.00.

REPLACEMENT OR FEEDER COWS: PRE-TESTED FOR BANGS, PREGNANCY, AND AGE. SMALL AND MEDIUM FRAME NO. 1-2 MUSCLED--- 2-4 YEAR OLD 875-1000 LB. OPEN TO 8 MONTHS BRED $58.50-65.00/CWT. 8-10 YEAR OLD 900-1100 LB. 3-7 MONTHS BRED $47.00-53.50/CWT. 700-1050 LB. OPEN $41.50-47.00/CWT.

Estimated Daily Livestock Slaughter

Under Federal Inspection

Wed., Dec. 28, 1988

	CATTLE	CALVES	HOGS	SHEEP
WED., 12/28/88 (EST)	125,000	10,000	342,000	21,000
WEEK AGO (EST)	128,000	9,000	337,000	20,000
YEAR AGO (ACT)	132,000	11,000	341,000	21,000
WEEK TO DATE (EST)	253,000	21,000	656,000	40,000
SAME PD LT WK (EST)	381,000	28,000	1,012,000	58,000
SAME PD LT YR (ACT)	378,000	34,000	986,000	58,000

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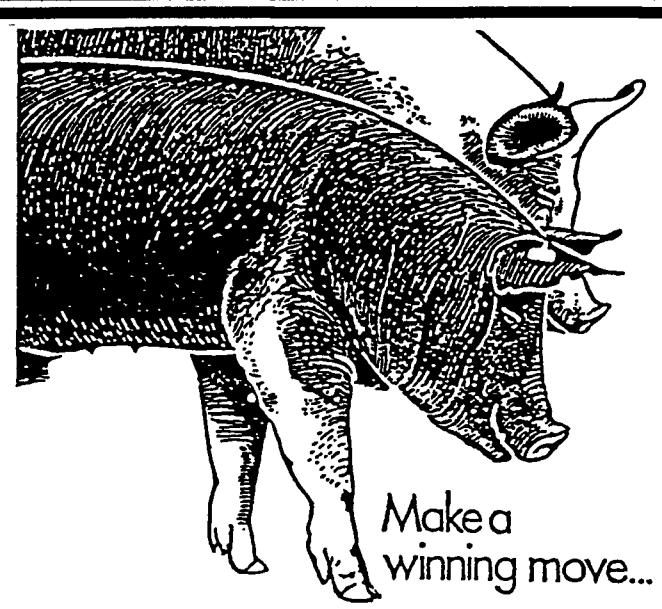

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- Grain Drills
- Trip Plows
- Disc Harrows
- Cultipackers and Roller Harrows (John Deere and Brillion)

This is a partial listing. Please call for availability even if your machine is not listed.

TRACTORS:
JD 2640 Diesel....$10,900
JD 3020 Dsl. Syncro, Wide Front, Dual Remote....$8,950
JD 2040 Diesel....$6,950
Cab, Hiniker, model 1300 for 2630 Tractor, nice....$975
JD 2640 w/Roll Guard....$10,900
JD 2750 Sound Guard, Like New
JD 1530 Diesel Hi-Lo
JD 4230 Power Shift, High Back Seat, Sharp

COMBINES & PICKERS:
6620 Side Hill, turbo hydro, heater & air, monitor, spreader.
NI 324 2 Row Wide 12 Row 327 bed....$3,950
NI 818 combine, sharp
#244 Corn Head
NI 2 row narrow w/sheller, A1....$3,950
JD #243 2 Row 30" Snapper Head....$2,350
NI Picker, 2 Row Narrow 12 Roll Bed, Nice....$5,800
JD #343 3 Row 30" Corn Head
JD 300 Husker w/3 Row Head
JD 40 Combine w/2 Row and Grain Head
JD 6620 LL Hydro Combine, Nice
13' Rigid Head for Side Hill....$1,750
JD 13' Grain Head w/Floating Bar
JD 4400 (1979) Diesel Combine, Loaded, Sharp
Gleaner FII Diesel Combine w/438 Corn Head and 13' Grain Platform
NI 12 roll husking bed w/elevator....$2,450
JD 10' Grain Head for 3300 or 4400 Combine....$1,850
NI #702 Uni System w/#737 Picker And #743 3 Row Corn Head, Sharp Unit....$8,750
JD #443 Corn Head
JD #444 Corn Head
JD 300 Husker w/243 Corn Head
NI 2 Row Narrow Picker, 12 Roll Bed, Like New, Picked Less Than 100 Acres SOLD
JD 444 4 Row [illegible] Oil Bath, Sharp SOLD

GRAIN DRYERS:
New Farm Fans AB8 Auto-Batch Dryer. MUST MOVE. CALL FOR PRICE.... (Dealer Inquiries Welcome)

HAY & FORAGE EQUIPMENT:
NH 272 Baler w/58 thrower, nice....$3,850
(1) (2) NH #469 Haybine
NH #282 Baler w/Thrower
JD 640 Rake
NI #402 Rake
JD 14T Baler w/Chute....$575
JD 1 Row, Row Crop Attachment, Nice....$550
JD 336 Baler w/#30 Ejector, Nice....$5,850
PZ Rake Tedder....$750
JD 5½ ' Pickup Attachment
JD 2 Row 30" Row Crop Attachment
Hydro Drive side mount Sickle Mower, almost new....$1,575
Ford 3 Pt. Flail Mower

CULTIPACKERS
(1) (2) Brillion 25' Wing Fold Packer....$4,500
JD 12' Cultipacker....$1,050
Brillion 16' Packer w/Transport....$1,875
Brillion 9'....$425
Brillion 10' w/Big Shaft....$950
Brillion 15' w/Transport....$1,675
Brillion 12' no Transport....$1,050

PLOWS-MOLDBOARD AND CHISEL:
JD 7B 2500 Plow....$3,950
JD F350 5-16" Hyd. Reset Plow....$2,350
JD Model 1610 14' Chisel Plow....$2,650
JD #1450 5B 20" Plow....$2,250
IH 530 5B Trip Plow....$950
JD 1450 6-16" Semi-Mtd. Plow....$2,250
JD 3200 5B Trailer Reset SOLD Auto Reset....$3,450
Oliver 565 5-16" Plow....$1,250
JD #1600 12' Chisel w/Walking Tandems....$2,450
JD 4-16 #1450 Semi-Mtd. Plow....$2,450
JD 5x18" 2500 Auto Reset Plow....$3,450
IH #55 7 Tooth Pull Type Chisel....$1,850
White 12' 3 Pt. Chisel....$1,275
JD #2500 6B 18" Auto Reset Plow....$3,650

DISCS AND FIELD CULTIVATORS
JD 220 Center Fold Disc, Nice....$5,350
JD 12' TWA Plowing Disc....$3,250
JD BW 18' Wing Fold Disc....$2,650
JD BW 14' Disc....$1,450

ROLLER HARROWS AND CULTIMULCHERS
JD F950 15' Roller Harrow....$3,950
IH 315 12' Roller Harrow....$3,450
JD F950 12' Roller Harrow....$3,450
Brillion 10' Roller Harrow....$975

ROW CROP CULTIVATORS & ROTARY HOES
JD 4 Row Front Cultivat SOLD 40 Series
(1) (2) JD RM 4 Row Cultivator....$975
JD 6 Row 30" RM Cultivator....$1,550
JD 400 Rotary Hoe....$1,475
JD 4 Row Front Mount Cultivator For 3020....$1,550
IH 4 Row 3 pt. Cultivator....$650

MISCELLANEOUS:
NI 217 Spreader w/Double Beater and Tail Gate....$1,450
14.9x38 Direct Axle Dual Wheels
JD 28' Implement Trailer....$1,875
Kelley Loader for JD Row Crop....$1,650
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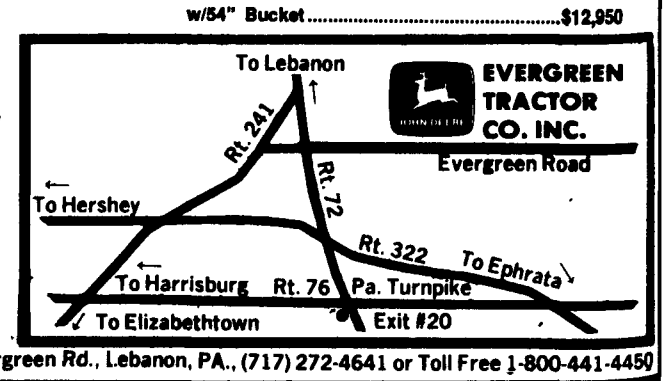

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Bacterial "Missing Link" May Help More Plants Fix Nitrogen

ITHACA, N.Y. — What may be a missing link in the evolution of microorganisms, a bacterium that is both photosynthetic and nitrogen-fixing, has been discovered at the Boyce Thompson Institute for Plant Research (BTI).

Bacteria that "fix," or convert, nitrogen in symbiosis with legumes are widely known, as are those that derive energy from the sun through photosynthesis. But the newly discovered organism is the first known to combine the two capabilities.

Studying this bacterium could help genetic engineers to develop ways to incorporate nitrogen-fixation capabilities into crop plants that now lack them. Expanding plants' capability to fix nitrogen from the air would enormously decrease the need for chemical fertilizers.

The BTI scientists propose a new genus and species name for the organism, and are preparing a publicatoin describing recent work that demonstrates that the bacterium has photosynthetic capability. They are Joan M. Ellis, Mariangela Hungria, Bertrand D. Eardly, Nancy W. Rizzo and Allan R.J. Eagleshem. BTI is an independent research laboratory based at Cornell University.

They have tentatively named the bacterium *Photorhizobium thompsonum* — combining the previx "photo-" with the name rhizobium given to nitrogen-fixing bacteria. The bacterium was discovered serendipitously in sand used as growth medium in a BTI greenhouse.

"This is a completely new organism with characteristics of rhizobia as well as those of photosynthetic bacteria," said Eaglesham, the BTI plant physiologist who was studying nitrogen-fixing nodules on plant stems when the surprising bacterium turned up. "It may represent a primitive evolutionary form that could give hints of how nitrogen-fixing bacteria evolved and how the nitrogen-fixing nodulation in plants began."

The ability of certain plants to fix nitrogen has been a subject of intense study by agricultural scientists. In this process, leguminous plants such as soybeans and others in the pea family attract nitrogen-fixing microorganisms that are held in root nodules, allowing them to thrive in soil with little available nitrogen.

The rarer growth of nitrogen-fixing nodules on plant stems has been studied at BTI for about 10 years. Stem nodules do not normally appear on agriculturally important crops, but do occur on some plants living in flooded conditions, particularly weedy plants of the genera *Aeschynomene and Sesbania*. Stem nodulation is believed to aid plants when water cuts off most of the oxygen and nitrogen needed by root nodules.

Eaglesham and his BTI colleagues discovered the new bacterium while attempting to save *Aeschynomene indica* plants without nodules that were suffering from nitrogen-deficiency. Rather than destroy the dying plants, they transplanted them into sand from another greenhouse and flooded the roots with water. Within two weeks, nitrogen-fixing nodules appeared on the stems.

A subsequent series of tests showed that the nodules were caused not by a previously identified nitrogen-fixing bacterium in the sand, but by a completely new and different form that fixes nitrogen and conducts photosynthesis. The plant physiologists traced the sand to Virginia.

Then they learned that another *Aeschynomene* species, *A. virginica*, is native to fresh and brackish tidal waters from New Jersey to souther Virginoa. "Bacteria that produce nodules in *A. virginica* may have been present in small amounts of soil, which mix with sand during mining, and may be 'promiscuous' enough to form nodules on other *Aeschynome* species," Eaglesham said.

"It is an amazing coincidence," he continued. "The growth medium we have been using all along for plant studies of all kinds happens to be 'contaminated' with a microorganism that causes stem nodulation."

The plant physiologist said the bacterium does not fit in any one taxonomic classification. It doubles its numbers in less than six hours like the so-called "fast" bacteria of the genus *Rhizobium*, produces enzymes characteristic of the "slow" *Bradyrhizodium* genus, and conducts photosynthesis.

"This is some intermediate form," Eaglesham said. "Most known photobacteria are photosynthetic only under anerobic conditions. They live in marine environments or water-logged soils and turn on their photosynthetic abilites when there is not oxygen. This organism is photosynthetic in aerobic environments."

Photorhizobium thompsonum may be an evolutionary link to the first bacteria that tried to form nodules on plants, Eaglesham speculated. He noted that, even now, early stages of nodulation are more of a pathogenic interaction than a symbiotic relationship. The first plant cells that are penetrated by nitrogen-fixing bacteria collapse and die as the plant tries to contain the "infection."

A nitrogen-fixing bacterium that is particularly adept at penetrating plant stems and can produce some of its own food and energy from light would seem to have a competitive advantage — both during the evolutionary development of plant nodulation and in the future, as scientists attempt to expand nitrogen-fixing capabilities to more plant species, Eaglesham said.

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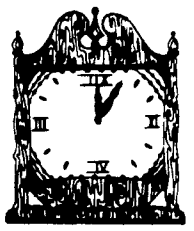

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Water Quality Meeting Scheduled

EPHRATA (Lancaster) — The Octorara Young Farmers Association will be holding its next meeting at 7:30 p.m. on January 2, 1989 at the Octorara High School ag-education room. The night's discussion will center on determing water quality.

Attendees are invited to bring water samples to the meeting for testing. The water will be tested for copper, iron, hardness, acidity, and nitrates. Methods of correction and benefits of making corrections will be discussed. The sponsor of this meeting will be the Martin Water Co., with David Stoltzfus and Richard Breckbill as the speakers for the evening.

In the event of inclement weather, interested people should listen to WCOJ radio station for possible clsoing.

The association's next meeting will be on February 6 and will feature a discussion on pesticides.

Livestock Feed Benefit Deadline Extended

YORK — York County livestock growers now have until March 31, 1989, to apply for benefits in the Emergency Feed Program (EFP) or Emergency Feed Assistance Program (EFAP). The original deadline was December 31, 1988. The EFP provides 50% cost-sharing on purchased feed while in EFAP eligible applicants may purchase USDA owned grain at reduced prices. Eligible applicants are those suffering at least a 40% loss of all feed production and have insufficient feed on hand until 1989 crops become available.

Interested persons may contact the York County ASCS Office at 120 Pleasant Acres Road. The phone number is 755-2801.

"Eligibility for participation in all programs administered by ASCS is established under law without regard to race, color, age, sex, religion, national origin or physical handicap."

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Central U.S. Carlot

Beef Report
Wed., Dec. 28, 1988
Report supplied by USDA

CENTRAL U.S. CARLOT BEEF REPORT (INCLUDES THE MAJOR PRODUCTION AREAS IN THE MIDWEST, TEXAS AND OKLAHOMA) AS OF 3:00 P.M.

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600-900# LATEST ESTB. MKT. 101.00 A.

SELECT 1-3

600-900# LATEST ESTB. MKT. 96.00 A.

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(24 LOADS REPORTED)
FOB OMAHA BASIS
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500-550# LATEST ESTB. MKT. 101.00.

400-500# LATEST ESTB. MKT. 100.00.

CHOICE 4

500-800# 6 LDS. RANGE 95.00, LATEST ESTB. MKT. 95.00.

SELECT 1-3

550-800# 8 LDS. RANGE 105.00, LATEST ESTB. MKT. 105.00.

400-550# 91.00 A.

STEER CARCASSES
FOB AMARILLO BASIS
(7 LOADS REPORTED)
CHOICE 4

600-900# 7 LDS. RANGE 94.00, LATEST ESTB. MKT. 94.00.

HEIFER CARCASSES
FOB AMARILLO BASIS
(7 LOADS REPORTED)
CHOICE 4

500-800# 7 LDS. RANGE 94.00, LATEST ESTB. MKT. 94.00.

STEER AND HEIFER
PRIMAL CUTS
(3 LOADS REPORTED)
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FOB OMAHA BASIS
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CUTTER 1-2

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400 & UP 4 LDS. FOB OMAHA 94.00-95.00; FOB E.TX & OK UNQ.

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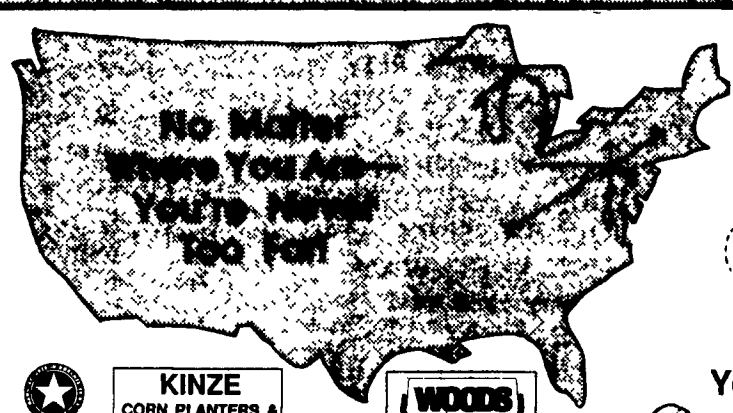

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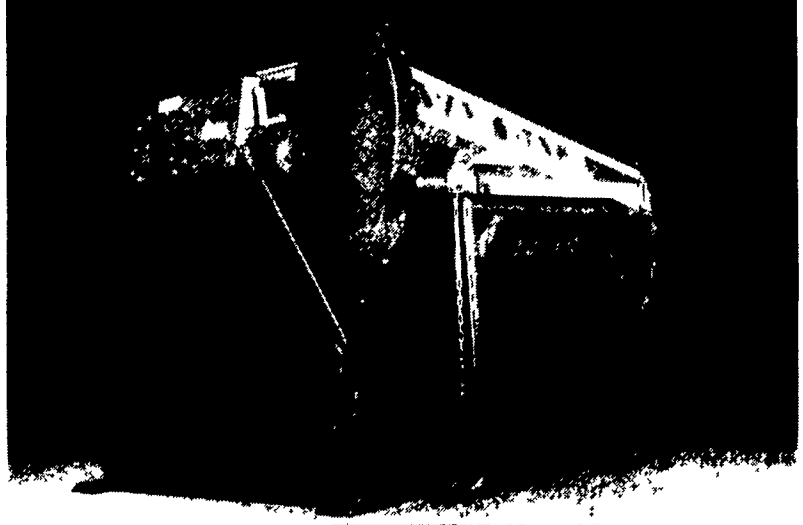

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The outlook is good, please consider us as your buyer this year.

Mac Bailey
Golden Leaf Tobacco Company
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Northeast Beef Producers To Attend Pregnant Cow-Care Meeting

ITHACA, NY — Up to 200 Northeast farmers who produce beef calves are expected to attend a meeting at Cornell University on Jan. 28 to learn more about how to care for cows during pregnancy, calving and the period following the birth. The meeting will be held in Room 146 of Morrison Hall on campus.

"With the approaching calving season, which usually begins in February and March, those who raise beef calves are particularly concerned about how to minimize the loss of calves," said William M. Greene, coordinator of the daylong meeting and a beef specialist in the College of Agriculture and Life Sciences at Cornell. "The upcoming conference is designed to help participants upgrade their management skills to cut economic losses to a minimum."

The meeting-- "Management of Beef Cattle during Late Pregnancy, Calving and the Early Postpartum Period" -- will cover:

- Causes, diagnosis and prevention of abortion.
- Do's and don'ts during the normal and difficult birth of calves.
- Preventing and treating calfhood diseases.
- Complications in beef cattle before and after the birth.
- Nutrition for the beef cow during pregnancy and after calving.

Speakers are from Cornell's College of Veterinary Medicine and the Department of Animal Science in the College of Agriculture and Life Sciences, which are sponsoring the event jointly with Cornell Cooperative Extension.

More information about the program may be obtained by phoning Greene at 607 255-2856.

With about 85,000 calves born and raised annually, New York leads other northeastern states in beef production, Greene said, adding that about half the calves raised here are exported directly to cattle feeders in other states, especially in the Midwest.

Production of beef cattle goes through several stages. First, cow-calf producers raise their calves for 7 to 8 months, boosting the weight of animals to between 400 to 600 pounds, Greene explained. Calf producers then sell their animals to other producers called "backgrounders," "stockers" or "cattle feeders." Backgrounders and stockers raise the calves until they weigh from 700 to 800 pounds; then they market the animals to cattle feeders, who raise them to slaughter weight of about 1,150 to 1,300 pounds; these animals are sold to packers, who market the meat to retail stores for consumers.

Entries Sought For FFA Writing Contest

COON RAPIDS, IA — FFA members from Pennsylvania and across the nation will be testing their creative writing skills in the annual Up With Agriculture® Writing Contest, an event sponsored by the Garst Seed Company.

Now in its fifth year, the contest invites FFA members to create a poem, essay or short story of 100 words or less that describes their thoughts and feelings about agriculture in the year 2000.

Last year, a record 8,000 entries were submitted by FFA members from 20 states. From the entries, the overall winner was Doug Drudik of Grand Island, Nebraska. He received $1,000 for his winning entry.

The grand prize in this year's contest is an all expense-paid trip to tour the corporate headquarters of ICI Americas in Wilmington, Delaware. State winners will receive $250 each, and honorable mention winners will be awarded a plaque. Winners will be announced in April, 1989.

At ICI Americas, the U.S. office of the U.K.-based Imperial Chemical Industries which owns the Garst Seed Company, the winner and his or her family will meet with company officials and observe state-of-the-art research being conducted on a wide range of agricultural and consumer products.

According to Garst Seed Co. President David Garst, the continued growth of the annual writing contest is a positive sign for agriculture. "The outlook by our nation's young people for American agriculture seems to get brighter every year," he says. "This contest confirms there is an increasing amount of interest in pursuing a career in agribusiness...and that's refreshing."

In previous years, Garst notes, most entrants have been realistic about the condition of agriculture. "They wrote of the struggles that farmers have faced in recent years, and what lessons they've learned from these experiences. But the common theme has been their enthusiasm for agriculture and the need to uphold the family farm tradition," he says.

Initiated in 1984, the "Up With Agriculture" program is designed to highlight the importance of agriculture to communities through positive messages about American agriculture and the country life.

Entries must be received by March 1, 1989. Mr. Garst and representatives of the Garst Seed Company will select winners based on originality and creativity. Entries should be sent to: Up With Agriculture Writing Contest, P.O. Box 300, Coon Rapids, Iowa 50058.

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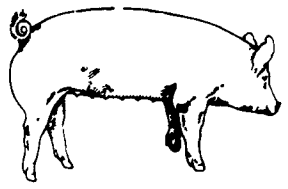

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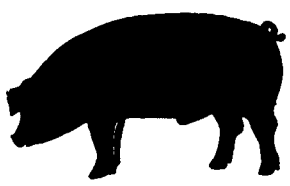

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Northeast Grange Leaders Hold Summit

CORTLAND, NY — State Grange leaders from Vermont, Pennsylvania, Maryland and New York met at the Greenfield Center Grange in Saratoga County today to support the proposed Northeast Interstate Dairy Compact, a so-called Regional Cooperative Marketing Agency with government backing and enforcement.

"We support the compact as a means of strengthening the position of the Northeast Dairy Industry," said Bart S. Morse, Master of the New York State Grange. "This would help ensure the future of dairying as a viable industry."

The meeting marked the first time Grange leaders have been able to get together to discuss the compact proposal, and they took advantage of the opportunity to discuss other vital issues as well.

Those discussions touched on Grange communications, its ritual, its image in the community, its attractiveness for young people, its declining membership and its leadership training and membership services.

Joining Morse at the session were Vermont Master Margaret Richardson, Pennsylvania Master Bill Ringler and Maryland Master Alan Brauer. National Grange Overseer Kermit Richardson was also in attendance, along with key support personnel from each state.

The purpose of the compact, now in its second draft under the direction of the state Legislative Commission on Dairy Industry Development, is to recognize by statute the regional nature of the dairy industry, and to form an interstate commission for the Northeast/Mid-Atlantic region.

Key Commission tasks would be to help participating states modify laws and regulations that add to the cost of moving milk among the states or that impede the free flow of milk in the Northeast.

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Thursday, December 29
Report supplied by PDA

CATTLE: 323. Sl. cows .25-1.00 higher; individual Choice holstein sl. steer 70.00; few Select 56.85-63.50; individual Select sl. heifer 63.25; few Select holsteins 55.25-57.00; Breaking Utility & Commercial sl. cows 47.75-52.25, several to 54.60; Cutter & Boning Utility 47.25-52.50, couple to 54.25; Canner & Low Cutter 44.00-48.00; shells down to 40.00; YG 1, 1000-2030 lb. sl. bulls 55.00-62.00; few YG 2, 900-1300 lb. 54.50-56.00.

FEEDER CATTLE: Heifers few Med. 1, 375-520 lb. 69.50-73.50.

CALVES: 483. Few Choice vealers 96.00-112.00; few Good 80.00-96.00; Standard & Good 75-100 lb. 66.00-75.00; Utility 60-90 lb. 58.00-67.00; hol. bulls 80-90 lb. 73.00-100.00; 90-125 lb. 95.00-159.00, mostly 120.00-155.00.

HOGS: 25. US 1-3 sows 200-316 lb. 31.00-41.00; 2 boars 25.25 & 26.00.

FEEDER PIGS: 7. Not enough for market test.

SHEEP: 1.

GOATS: 1.

Maryland Farmers May Prevent Foreclosure By Fast Action

ANNAPOLIS, MD — Of Maryland's 993 farmers who currently have loans from the Farmer's Home Administration (FmHA), 356 have received delinquent loan notices by certified mail from the United States Department of Agriculture's (USDA) FmHA. However, through quick action, these farmers may be able to save the family farm.

"With the deadline approaching, I urge Maryland farmers to respond to FmHA and attempt to work out new financial arrangements," said Secretary of Agriculture Wayne A. Cawley, Jr. "If this notice isn't taken seriously, the risk of losing future farm financing options through the Loan Service and Preservation Loan programs is high," Cawley continued.

The notices will state, 'This is to inform you that you are seriously behind in your loan payments and to inform you of your options.' Farmers will have 45 days to reply to the notices. Farmers who do not respond will most likely have foreclosure proceedings begun against them.

These notices are the beginning attempt by FmHA to review $8.8 billion in loans which have been overdue for more than six months, according to USDA.

For further information, contact the FmHA Office in Washington, D.C. (202) 447-4324.

State Lawmakers Exchange Committees

HARRISBURG — Two Lancaster County lawmakers have exchanged positions on a pair of state House committees.

Reps. Terry R. Scheetz and John E. Barley today announced House Republican leadership has approved an arrangement which will put Barley on the House Agriculture and Rural Affairs Committee and Scheetz on the House Conservation Committee.

The two legislators said they share great interest in both agriculture and environmental matters, but indicated the change will allow both to pursue measures of greatest interest to them.

"I think that Rep. Barley and I would both like to serve on the Agriculture Committee and Conservation Committee to represent the best interests of farmers and all our constituents in Lancaster County and throughout the state," said Scheetz.

"Unfortunately, factors of seniority and geography made that impossible for those making committee assignments.

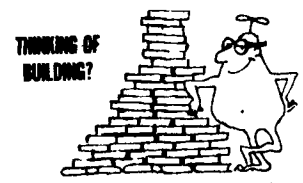
"As a member of the Joint Legislative Committee on Conservation and Air and Water Pollution Control. I have a genuine interest and special concern about environmental issues. These include many ag-related issues such as manure management, well-water protection, sewer sludge and wetland preservation," Scheetz added.

Scheetz owns and operates a hog farm in Stevens and Barley is a partner with his brother in a livestock and general crop farm in Conestoga.

"With my experience and interest in agriculture, I'm very grateful to be able to serve on the Agriculture Committee," said Barley.

Barley was recently elected chairman of the Pennsylvania Ag Republicans, an outgrowth of the state Republican Committee. His agriculture accomplishments include being named Master Farmer in 1978 and Outstanding Young Farmer of America (the only Pennsylvanian to receive that honor) in 1979.

Scheetz said while he will not be on the Agriculture Committee, "I have no doubt that any measures of mine will be advocated by Rep. Barley and Rep. Ken Brandt, Republican chairman of the committee."



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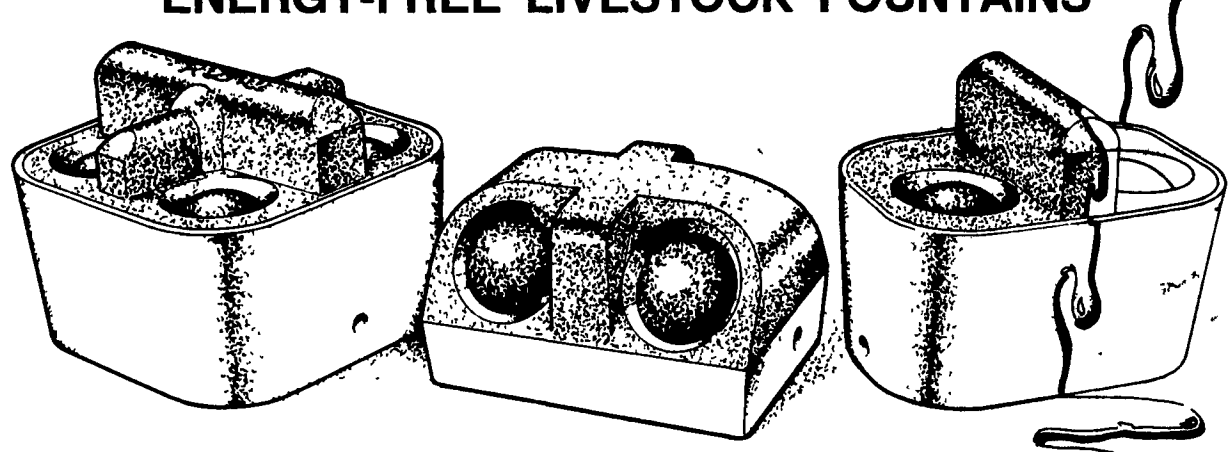

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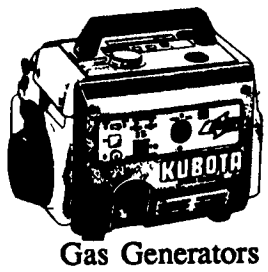

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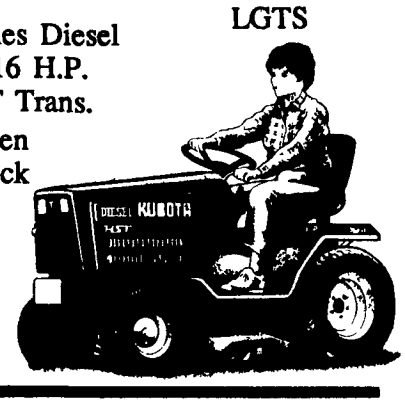

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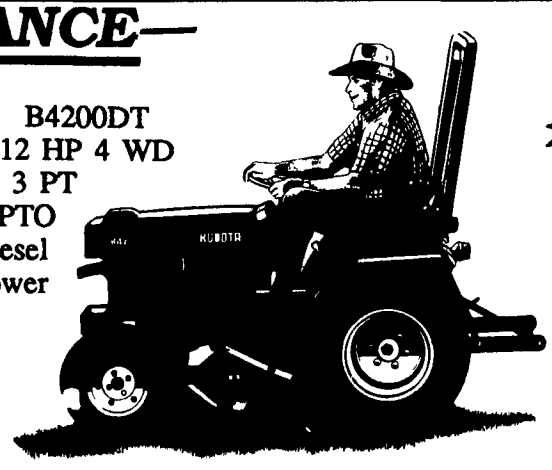

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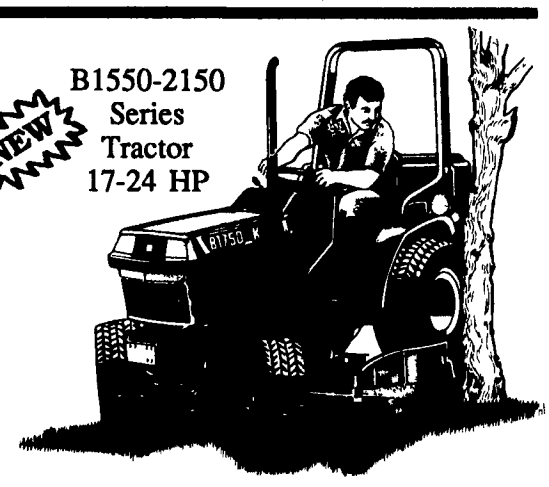

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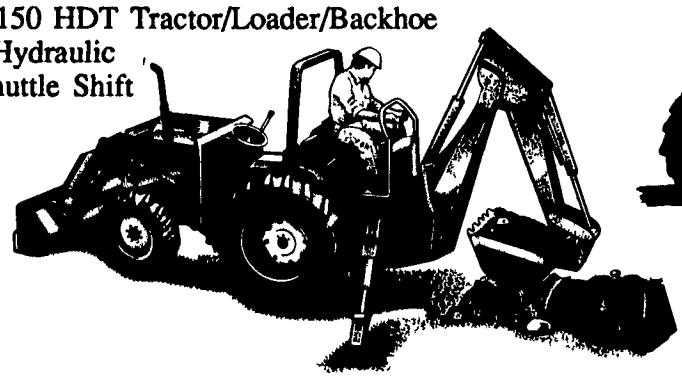

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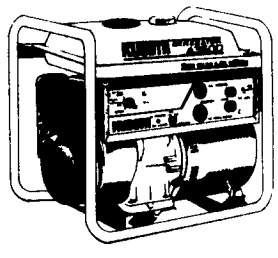

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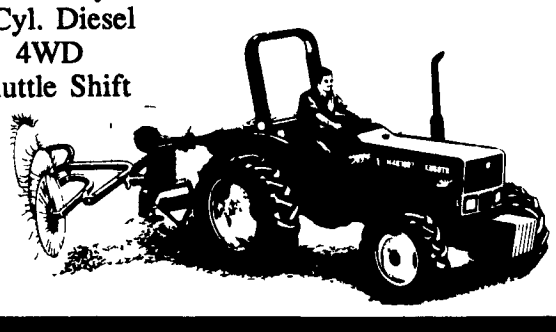

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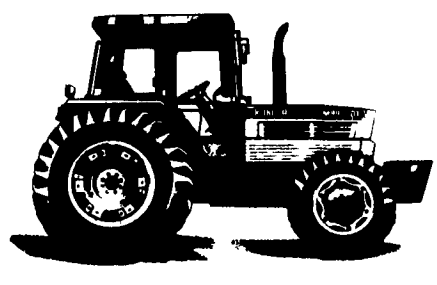

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DAIRY BREED NEWS

PA Holstein Convention Offers Ladies Program

STATE COLLEGE (Centre) — Come to the Wild, Wild West for a day of fun during the Pennsylvania Holstein Association Convention. The ladies of northwest PA have planned an affordable getaway for you women and whoever else might be interested. If you are tired of the pressures of hard times, then forget them for February 20-21 and have a good western time.

The ladies have planned a craft show for your enjoyment Monday afternoon and early evening. Local crafters will display their wares in the tropical courtyard surrounding the pool.

The main ladies program will be held at the luxurious Oak Tree Country Club. In the morning there will be two demonstrations; one will be on how to use scarves as attractive accessories, and the other will be on porcelain dolls.

"Through Grandma's Attic" will be a colorful, captivating presentation by Connie Kay Brough. She is a very upbeat speaker that will reminisce with women of all ages using antiques you might be familiar with from Grandma's attic.

After a scrumptious luncheon, the ladies will board buses for a tour of some of the attractions in the area. First stop will be at Volant Mills, a three-story restored feed mill that houses several cratt and antique shops. There will be an opportunity to shop and browse through this unique site.

Then on to the Wendel August forge. This forge is one of the very few remaining forges in the country that continues to produce forged aluminum, pewter, bronze, and sterling silver entirely by hand. These metals are crafted into plates, mugs, trays, plaques, Christmas ornaments, and many other decorative and useful gifts. Each piece of giftware is unique because it is handcrafted, and there is sure to be something to interest everyone. Since several metals are used, there are gifts available in all price ranges.

Finally, the last stop will be Steece's Ice Cream Shoppe where the ladies will be treated to some of their tasty homemade ice cream.

Then it's back to the Sheraton for a couple hours of free time before the banquet. Make plans now to attend this "day of fun" in the Wild, Wild West.

The Northwest Pennsylvania Junior Holstein members invite all Junior Holstein members to join them for a special "first" in Pennsylvania. It will be the first completely Junior Holstein Convention planned and conducted in Pennsylvania.

The planning committee has put together a fun, action filled convention scheduled especially with you - the Juniors - in mind. The convention is scheduled for February 17-19, 1989 at the Sheraton Inn, West Middlesex.

The theme, **"Juniors Jammin '89,"** includes plans for a "Jam's" dance, where Jams will be the clothes of the day.

A review of the schedule starts with registration opening at 8:00 p.m. on February 17. We also have planned a pool and pizza party with plenty of activities for all. There will be games, mixers, pizza and drinks and plenty of fun to start our first Junior Convention.

On Saturday the 18th, things start "Jammin" with a kick-off meeting to review the schedule and activities for the remainder of the Convention. The always popular Dairy Bar will open with an abundant supply of dairy products and other goodies from Northwest PA.

The Dairy Bowl Contest will start at 8:30 a.m. with a double-elimination, two division contest with the winners going on to represent Pennsylvania at the National Contest.

For those not participating in Dairy Bowl, we have some exciting, educational workshops being planned. There are three workshops that will be repeated twice. Workshop topics include Ad Design and Layout and Picture Taking; Judging Cattle with emphasis on oral reasons and Farm Computers with "hands-on" activities. With the ad design workshop, a contest will be held, where the best ad designed, as picked by Convention goers, will receive a full page ad in a future edition of **PA Holstein Profiles.**

The Dairy Finals will be held beginning at 3:00 p.m. The Penn State Dairy Science Club is coordinating this year's Dairy Bowl Contest. Club members will be writing the questions and providing personnel who will run the

(Turn to Page A25)

PA Junior Holstein Annual Calf Raffle

STATE COLLEGE (Centre) — The Pennsylvania Junior Holstein Association's 9th Annual Calf Raffle is in high gear. Juniors are out selling tickets to help fund the many programs and activities sponsored by the Pennsylvania Junior Association.

This year's raffle calf comes from Rynd Home Farms and Linden-Loch Holsteins. She is a Bis-May Tradition Cleitus calf from an Excellent-90 Ocean-View Sexation with records to 28,930 4.2% 1229f. The Granddam is a VG Matt Carlo with 31,420 3.3% 1027f. The next three dams are VG or Excellent.

The winning tickets will be drawn at the PA State Convention Sale on February 20 at the Sheraton Inn, West Middlesex. The first prize winner has the option of taking the calf or a cash prize of $1000. Second prize is $250, and third prize is $100. Winners need not be present.

Pennsylvania Juniors benefit greatly from the raffle. Trips, judging schools, production contests, DJM's and many other contest and programs are funded from raffle sales.

To receive your six tickets, simply fill out the ticket order form and return it with $5.00 to:

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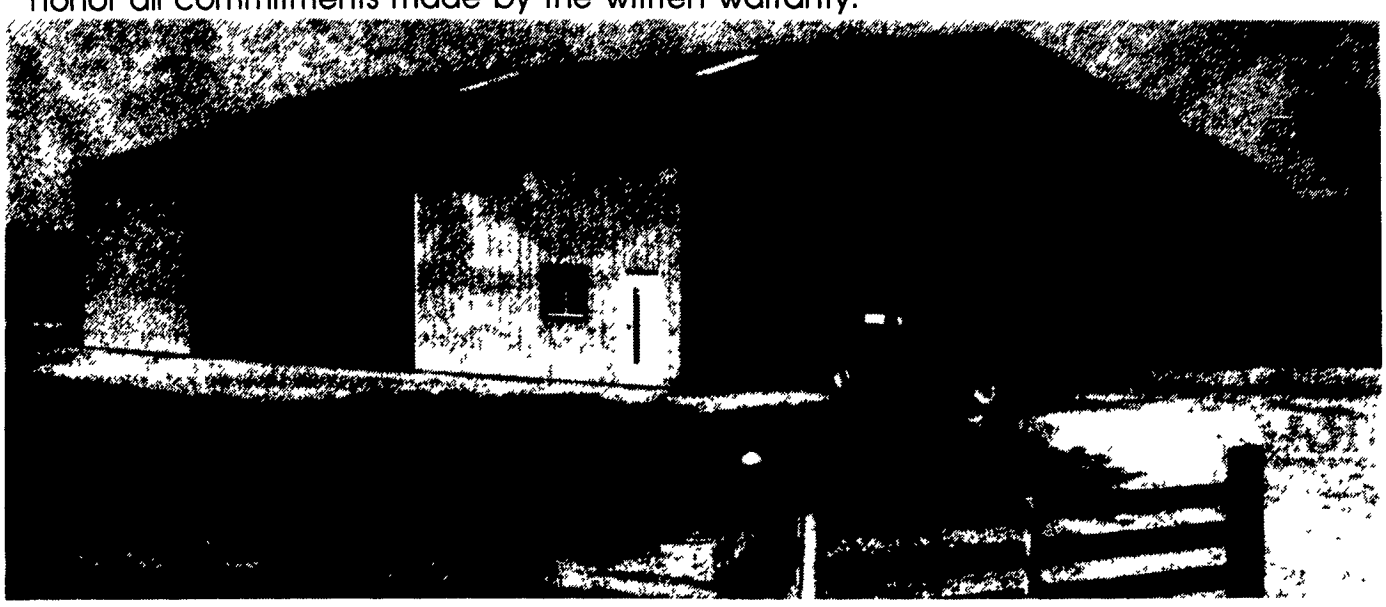

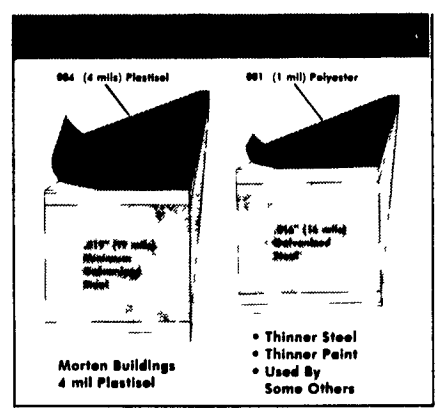

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Alfred College Hosts Veterinarian Conference

ALFRED, NY — Veterinarians from eight states and Canada took part in the recent International Veterinary Nutrition Conference hosted by Alfred State College.

The four-day conference drew participants from Pennsylvania, Ohio, Vermont, Connecticut, New Jersey, Maryland, California, and New York State as well as Canada, according to coordinator Thomas J. Cannon, assistant professor in Alfred State's Plant and Animal Science Department.

Topics included forage quality, DHIA record access, feeding program data collection, feed cost analysis, and feeding system analysis. The conferees also visited local farms.

Besides Professor Cannon, other Alfred State College faculty members making seminar presentations were Terry Tucker, Richard Hoffman, and Ronald Stutzman.

The conference was co-sponsored by the Plant and Animal Science Department and by Dairy Production Consultants, a group organized to promote better utilization of dairy records. Group members are Professor Cannon and the conference keynote speakers, veterinarians Dr. Arden Nelson of Cortland and Dr. Howard Redlus of Burlington, NJ.

Five animal health experts who practice in Pennsylvania attended an International Veterinary Nutrition Conference Dec. 1-4 at Alfred (NY) State College. Here, working with Professor Thomas J. Cannon (kneeling) of the college's Plant and Animal Science Department faculty and conference coordinator, are (from left) Dr. Lisa Costello, Kennett Square, PA; Dr. Tom Mercuro, Lasselman Veterinary Services headquartered in Grantville, MD; Dr. Donald Yorlets, New Oxford, PA; Dr. Darcie J. Stolz, Strasburg, PA; and Dr. R. Dean Elliott, Granville Summit, PA. The conference drew participants from eight states and Canada.

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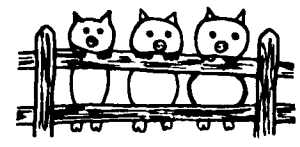

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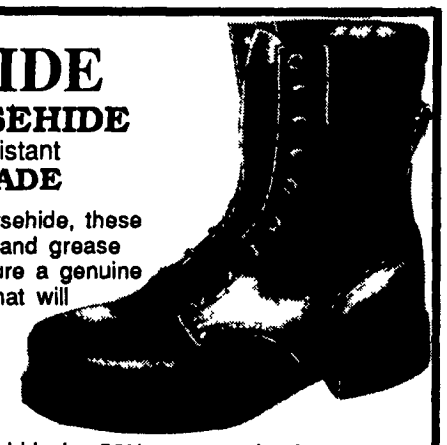

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Several Seed Maturities Provide Yield Security

DeKALB, IL. — After the 1988 drought, many farmers are considering management practices for next year that will reduce the impact of severe weather stress. Before finalizing your cropping plans, a seed company agronomist offers some perspective of past drought years and tips to spread your risk from weather.

According to Herb Brown, Dekalb-Pfizer Genetics agronomist, an important point to consider is that no drought is the same--each has a unique characteristic. In 1980, the drought began in late June with temperatures averaging 6 to 13 degrees above normal. In 1985, a cold and wet spring delayed soybean planting into June. Then hot and dry weather reduced yields of shallow-rooted corn and short soybeans. This year's drought began in late April and continued through mid July before any relief.

"The fact is, when a drought begins and its duration determines the level of impact on crop performance," said Brown. "A well-timed rain or moderating temperatures when corn or soybeans are flowering can significantly improve crop yields."

Whether you farm in a drought prone area or a typically high yielding environment, you can spread your risk by planting several hybrids of different maturities. The maturity difference doesn't need to be large, planting four or more hybrids that vary only by five to seven days in relative maturity will lessen the impact of stress-filled years like 1988.

The Dekalb-Pfizer Field Comparison Trial (FACT) plot data illustrates the overall increased yield response from planting hybrids with different relative maturities. Yield results from Northern and Central Illinois, Indiana and Ohio were compared over six years.

"While one 100-day hybrid did not yield more than the 115-dsay hybrid tested in any year, three other hybrids of similar maturity had significantly higher yields in different years, (hybrid B in 1987, hybrid C in 1988, hybrid D in 1986, 1987 and 1988)," explained Brown.

The agronomist pointed out that the majority of agricultural meteorologists caution that weather forecasts beyond three to five days quickly lose reliability. "Therefore, attempting to choose 'race-horse' or 'work-horse' (drought tolerant) hybrids based on season-long forecasts is not recommended," Brown continued. "However, if you know that you have drought-prone soil types on your farm, selecting drought tolerant hybrids is likely to improve your overall average yield. And, to hedge against high temperatures or drought stress during pollination, three to four hybrids of different maturities on high potential fields is recommended."

Hybrid	Relative Maturity	1983	1984	1985	1986	1987	1988	1984-87
			% of hybrid E					
A	100-day	84.6%	89.6%	87.6%	89 5%	85.1%	77.3%	88.2%
B	110-day	98.7%	96.3%	95.6%	96.0%	102.9%	94.8%	96.1%
C	112-day	-	91.6%	91.0%	93.3%	96.5%	103.3%	93.3%
D	113-day	-	92.6%	97.3%	101.6%	100.4%	104.2%	99.2%
E	115-day	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: DEKALB-PFIZER GENETICS FACT plot summaries from Northern and Central Illinois, Indiana and Ohio.

Pennsylvania Potato Crop Down 22 Percent

HARRISBURG — Pennsylvania's 1988 potato production is estimated at 3,690,000 cwt., a 22 percent decrease from 1987 production, according to the Pennsylvania Agricultural Statistics Service.

PASS estimated the harvested acreage at 20,500, down nearly 5 percent from last year. Average yield was 180 cwt. per acre, 40 cwt. below last year and 60 cwt. under the 1986 yield.

Total stocks of potatoes stored in Pennsylvania on Dec. 1 were 2,700,000 cwt., 12 percent less than a year ago. Of the total, 41 percent, or 1,110,000 cwt., was stored in processor's facilities.

Stocks are defined as the quantity, sold and unsold, remaining in storage for all purposes and includes shrinkage, waste and other losses that occur after the date of each report.

Sales of fall potatoes for all purposes account for about 90 percent of the total fall production. The remainder represents shrinkage, loss and home use.

Nationally, fall production is estimated at 307 million cwt., down 10 percent from last year and 3 percent short of 1986 output. Harvested area was 1.06 million acres, 2 percent less than 1987 but 2 percent higher than 1986.

The average yield nationally was 290 cwt. per acre, 8 percent below last year and 6 percent under two years ago. U.S. potato stocks on Dec. 1 were estimated 199 million cwt., down 12 percent from last year and 5 percent below 1986 storage.

Stocks account for 66 percent of fall production this year, compared with 67 percent a year ago. Storage consists of 82 percent russet, 16 percent white and 2 percent red potatoes.

Processing totaled 45.4 million cwt. in the eight major processing states, a 5 percent drop from last year but a gain from the 43.1 million cwt. processed in 1986.

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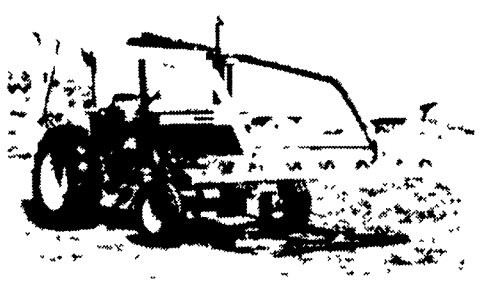

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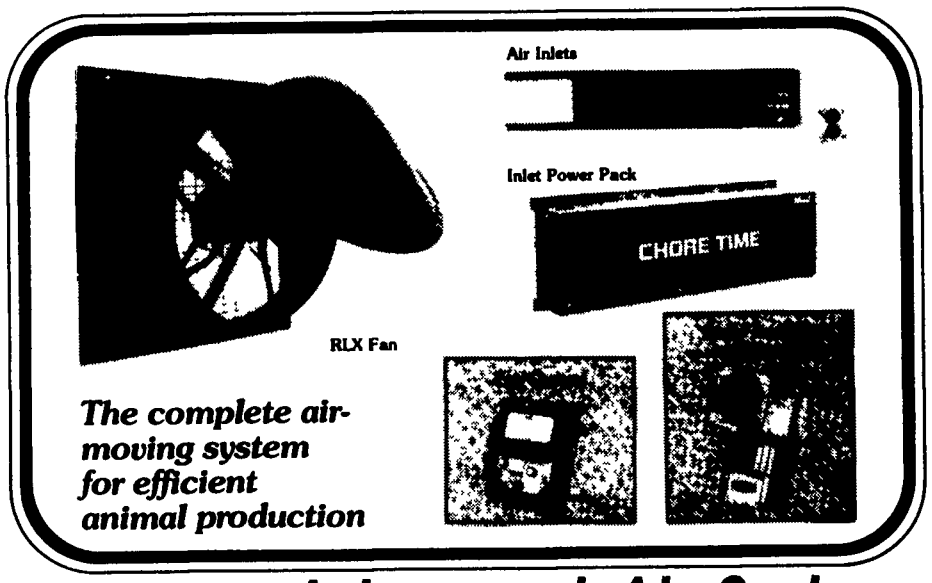

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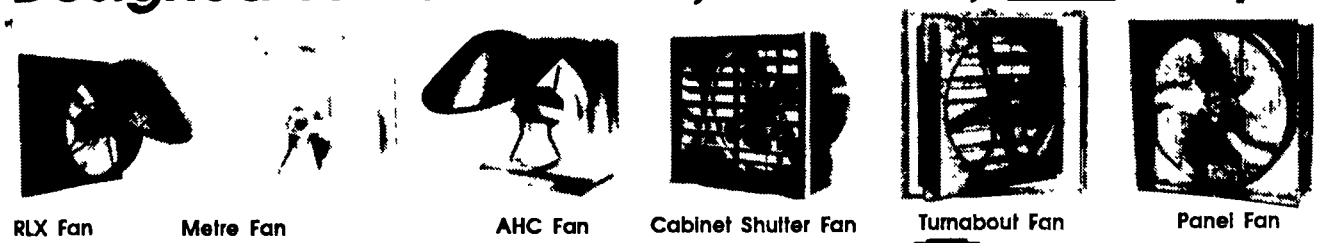

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17.5Lx25, 12 Ply	$457.00
18.4x24, 8 Ply	$385.00
18.4x24, 12 Ply	$455.00
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12Lx24, 12 Ply	$551.00
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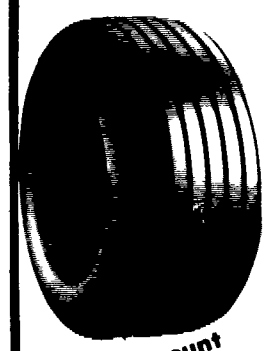
16.9x24, 8 Ply	$265.00
16.9x24, 10 Ply	$320.00
17.5Lx24, 8 Ply	$270.00
16.9x28, 8 Ply	$290.00
18 4x28, 10 Ply	$380.00
1300x24, 10 Ply	$250.00
1300x24, 12 Ply	$280.00
1400x24, 10 Ply	$285.00
1400x24, 12 Ply	$320.00

WAGON TIRES



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9 5Lx15, 8 Ply	$49.00
11Lx14, 6 Ply	$52.00
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11Lx15, 10 Ply	$72.00
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11Lx16, 8 Ply	$64.00
11Lx16, 10 Ply Tubeless	$86.00
12 5Lx15, 10 Ply	$76.00
12 5Lx16, 14 Ply	$94.00
12 5Lx15, 12 Ply	$87.00
14Lx16 1, 12 Ply	$152.00
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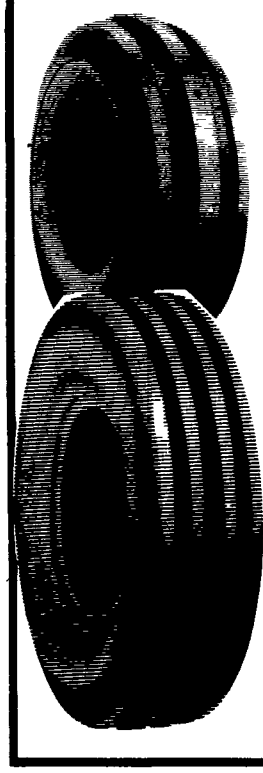

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400-15	$26.00
400-19, 4 Ply	$32.00
500-15	$32.00
550-16, 4 Ply	$35.00
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600-14, 6 Ply	$57.00
600-16, 4 Ply	$38.00
600-16, 6 Ply	$42.00
650-16, 6 Ply	$45.00
750L-15, 6 Ply	$50.00
750-16, 8 Ply	$58.00
750-16, 6 Ply	$54.00
750-18, 6 Ply	$65.00
750-20, 6 Ply	$81.00
9 5L-15, 6 Ply	$63.00
9 5L-15, 8 Ply	$69.00
10 00-16, 6 Ply	$84.00
11Lx15, 8 Ply	$79.00
1100-16, 8 Ply	$120.00
14L-16.1, 8 Ply	$185.00

★ 4-RIB ★

11L-15, 8 Ply	$84.00
10 00-16, 6 Ply	$83.00
10 00-16 (TL), 6 Ply	$102.00
10 00-16 (TL), 8 Ply	$112.00
11 00-16, 6 Ply	$102.00
11.00-16, 8 Ply	$110.00
11.00-16 (TL), 8 Ply	$123.00
14L-16.1 (TL), 6 Ply	$200.00
14L-16.1, 8 Ply	$195.00
16.5L-16.1 (TL), 8 Ply	$295.00

★ 5-RIB ★

1100x16, 12 Ply, Tubetype	$155.00
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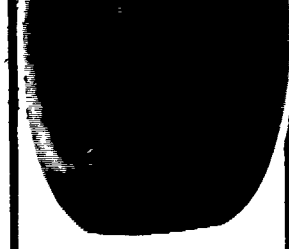

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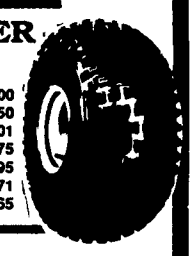
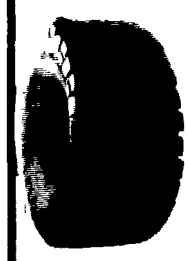
11Lx16, 8 Ply	$95.00
11Lx16, 10 Ply	$105.00
750 800x16, 10 Ply	$90.00
11Lx16, 12 Ply	$125.00
145 - 75 - 16 1, 10 Ply	$225.00

3 WHEELER TIRES



20x7 00-8	$35.00
21x7 00-8	$33.50
22x11 00-8	$38.01
22x8 00-10	$40.75
22x11 00-10	$45.95
25x12-9	$54.71
18x950 8	$30.65



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18 4x26, 10 Ply	$354.00
23.1x26, 8 Ply	$572.00
11.2x28, 4 Ply	$141.00
12.4x28, 4 Ply	$161.00
13.6x28, 4 Ply	$172.00
13.6x28, 6 Ply	$186.00
13 6x28, 8 Ply	$219.00
14 9x28, 4 Ply	$182.00
14 9x28, 6 Ply	$203.00
14.9x28, 8 Ply	$235.00
14 9x28, 10 Ply	$307.00
16 9x28, 6 Ply	$249.00
16.9x28, 8 Ply	$276.00
16.9x28, 10 Ply	$322.00
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18 4x30, 6 Ply	$302.00
23 1x30, 8 Ply	$645.00
24.5x32, 10 Ply	$810.00
16 9x34, 6 Ply	$296.00
18.4x34, 6 Ply	$338.00
18 4x34, 8 Ply	$369.00
20 8x34, 6 Ply	$515.00
20 8x34, 8 Ply	$541.00
23 1x26, 10 Ply	$645.00
23 1x34, 8 Ply	$706.00
11 2x38, 4 Ply	$169.00
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13 6x38, 4 Ply	$203.00
13 6x38, 6 Ply	$225.00
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Portrait Of A Dairy Leader—RCMA Honors Art Little

BATAVIA, NY — Art Little was born and raised on a small dairy farm in the hills of New Hampshire. After seeing his father struggle to earn a living through dairying, he decided he would devote his life to improving the dairy farmer's status.

For this devotion to the farmers in the Northeast, the Regional Cooperative Marketing Agency (RCMA) presented Little with a plaque to thank him for his fifteen years of service to its dairy farm family members. RCMA members are especially grateful to Little for giving "that extra effort" that has been a major factor in the current success of RCMA.

Indeed Little's work on behalf of dairy farmers did go beyond the call of duty. Even after his 1984 heart attack, which his doctor said would disable him for life, he continued to work for RCMA because it was a cause he believed in.

In 1973, when dairy farmers were caught in the most serious cost/price squeeze within the last half century, Little helped bring the first over-order pricing agency into being, and began establishing fluid milk prices above the Government-set price.

According to Little, dairy farmers were in "dire straights" and many people traveled to Washington to see about improved farm prices, but the United States Secretary of Agriculture refused to give a price increase through the Federal Order System.

"Under the advice of the Director of the Dairy Division, Yankee Milk (now Agri-Mark), Richmond Co-op, Nedco, Mass. Co-op Milk Producers Federation, Upstate, Niagara, and Dairylea Co-ops joined together to form a common marketing agency. RCMA came into being on June 23, 1973 when the first officers were elected from these eight cooperatives; and I was asked to be the Executive Director in August," explained Little.

Although working full time as the economist and office manager for the Northeast Dairy Cooperative Federation, Little accepted the position, and began to consider what the agency's organizational structure should be. Under Little's guidance, RCMA was effective for 18 months, between 1973 and '75, in New England and Western New York in establishing prices over those set by the Federal Order. "We collected $22 million in 'over-order premiums' for dairy farmers," said Little. "In August 1975, we established our last over-order premium at that time because of low membership and market competition," he explained.

In December, Fairdale Farms of Bennington, VT charged Yankee Milk and RCMA with "price-fixing and monopoly" said Little. Being the only RCMA employee, Little acted as advisor for the lawyers from the two law firms in New York and Connecticut who worked on the 9-year long case. Although still employed at Nedco, Little spent 75% of his time on the lawsuit. "I was so convinced that RCMA was the only way to go, it seemed the only thing to do," explained Little.

During these nine years, Little continued to push RCMA to all dairy farmers, attending meetings throughout New England and New York State and answering questions about RCMA. The lawsuit ended in August 1984, when the US Supreme Court refused to hear the case.

Shortly after that, Little suffered a heart attack which incapacitated him for four months from

his role in RCMA and his brand new position as Assistant to the Vice President of Membership at Dairylea Cooperative in Syracuse, NY. "It appeared that I would never go back to work; but I firmly believe it was through my faith and my determination not to be disabled that I got back into the workforce," Little said. He returned to work in the fall of 1984 only to find that RCMA was on the front burner again. According to Little, independent producers wanted to be part of RCMA this time. Therefore, on legal advice, the RCMA by-laws were restructured to allow for his.

From early '85 to late '86, Little worked with many dedicated volunteers traveling throughout the 11 states in the Northeast to sign up dairy farmers, estimated to be nearly 30,000 in all. Little became physically exhausted from this sign-up effort of scheduling as many as five meetings per week, sometimes twice a day, in the afternoon and evening in different locations.

This led to another health failure in late 1986, at which time his doctor forbid him to keep up his fast pace and ordered him away for two weeks. Although very difficult for him, Little decided he must notify the RCMA Board that he would withdraw from his position as Executive Director as soon as they could find a replacement for him.

In January 1987, Ed Anna was hired to fill the position. Little worked 100% for Dairylea from then until mid-1987, at which time Anna requested Little's assistance at RCMA. Since then, Little has been working for RCMA on a part-time basis. He said he enjoys the work, but "it's difficult for me to understand why all producers won't participate in this program, where there is no danger of losses and much to be gained."

Little said, "I've always been hopeful that when I'm through, dairy farmers will be a little better off than they would have been if I wasn't around." According to Little, the whole RCMA business has been difficult on his family, but they have been very supportive of everything he has done, "particularly my wife Helen". Little said, "Although I missed a lot when my three girls were growing up, I worked hard for RCMA because I wanted to help dairy farmers. I firmly believe that RCMA is the only way dairy farmers are going to get any price relief or improved income over the long term. I feel we are making headway through RCMA; we are improving the status of the dairy farmer."

NEWS FROM REGIONAL COOPERATIVE MARKETING AGENCY INC. RCMA

RCMA Announces 28 Cents For October Milk Premium

BATAVIA, NY — The Regional Cooperative Marketing Agency (RCMA), the 22,000-member dairy farmer organization, paid to its members a 28¢ cash premium per hundred pounds (cwt) of milk shipped during October.

"We have done what many people didn't believe was possible," said RCMA Executive Director Ed Anna. "We distributed $37 Million in our first 14 months of payouts (since September 1987); and farmers will receive many more RCMA premiums in 1989 because we're stronger than ever!"

Anna said 1988 was a good year for RCMA and its farmers. "The 28¢ per cwt. premium on October milk is double the January premium of 14¢ per cwt." According to Anna, the highest premium paid to members so far was 30¢ per cwt. on milk shipped during April 1988.

When asked what has contributed to the success of RCMA, Anna said the farmers have made RCMA successful by standing together, "perhaps like they have never stood together before in the Northeast".

Anna explained that whenever dealers decided they wouldn't participate in the RCMA program, dairy farmers promised not to ship their milk to those dealers. "When those promises came long, loud and clear from hundreds of producers and dairy farm leaders, dealers came to realize that RCMA was, and is, a force to be reckoned with," said Anna.

"RCMA is a force with compassion and understanding," he said, "first for dairy farmers, and secondly, for processors and consumers." Anna said RCMA has been successful because it has been "good for farmers, good for processors, and good for consumers."

Although RCMA is strong, some farmers still have not received the peace of mind that comes with pricing their own milk Anna said. "RCMA encourages all of these farmers to join." Call: 1-800-634-3723.

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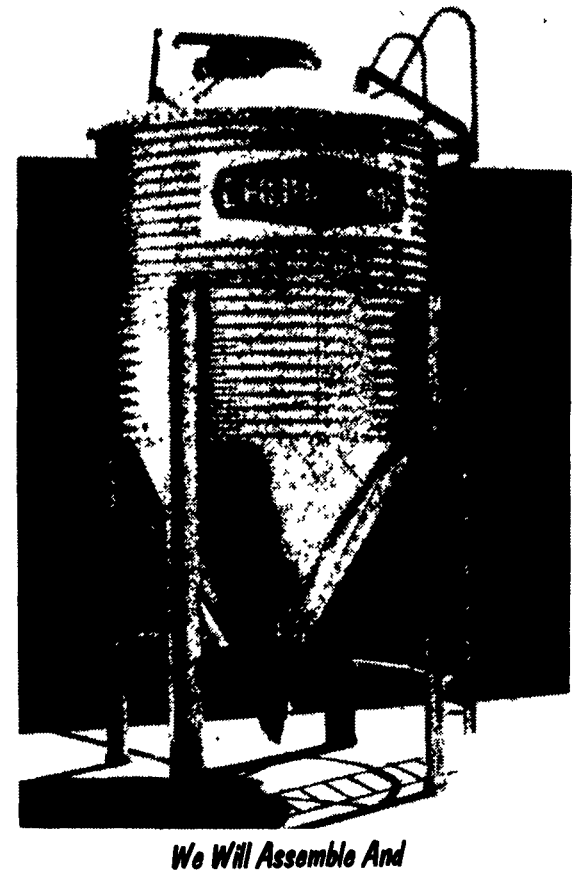

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Ladies Program

(Continued from Page A20)

contest.

The Annual Meeting of the Pennsylvania Junior Holstein Association is scheduled after the Dairy Bowl finals. We will hear reports from the President, Secretary, Treasurer and various Committee reports. The Juniors will be electing new representatives to the Junior Executive Committee.

There will also be time to enjoy the hotel's indoor swimming pool, sauna, whirlpool, exercise room and game room.

The Junior Awards Banquet is scheduled for 7:00 p.m. in the Hotel Ballroom. Following dinner, awards will be presented including Distinguished Junior Member Awards, Junior All-Pennsylvania awards, Milk, Fat & Protein winners, Junior Progressive Breeder Awards winners and the first ever Junior Holstein Scholarship awards will be presented. Parents, grandparents, aunts, uncles are all invited to the banquet to see the awards presentation and share in the recognition of the many Junior Holstein members.

After the banquet, get your Jams on as the Junior dance, featuring DJ Mark French spinning the records, gets under way. This promises to be a lively, high steppin' part of the Convention.

Sunday morning will begin with a tour of Dean Foods Dairy Processing Plant. For those who have never visited a large milk processing facility, this tour should be of great interest.

We will then return to the Sheraton for a final luncheon with Bob Orner, a motivational speaker who will have a good message for the group.

One additional activity will be a semen raffle, everyone that registers for the Junior Convention will receive a ticket for a chance at semen from a number of different studs. Additional tickets will be available to be purchased at the Registration desk.

You won't want to miss the first ever, Pennsylvania Junior Holstein Convention, so get your reservations in early and plan to join the "Juniors Jammin' '89," February 17-19, at the Sheraton Inn, West Middlesex.

1989 PA JUNIOR HOLSTEIN CONVENTION SCHEDULE OF EVENTS

Friday, February 17

8:00 p.m.- Registration Begins
8:00 p.m.- Pool/Pizza Party and Mixers
10:00 p.m.- Pizza Party Mixer ends

Saturday, February 18

8:00 a.m.- Kick-off Meeting
8:30 a.m.- Dairy Bar Opens
9:00 a.m.- Dairy Bowl Contest Begins
10:00-11:30 a.m.- Workshops
12:30-2:00 p.m.- Workshops
3:00 p.m.- Dairy Bowl Finals
3:30 p.m.- Annual Meeting of Pennsylvania Junior Holstein Assn.
6:00 p.m.- Dairy Bar Closes
7:00 p.m.- Awards Banquet
9:30 p.m.-12:30 a.m.- Dance Featuring DJ Mark French

Sunday, February 19

8:15 a.m.- Tour Dean's Dairy
11:30 a.m.- Brunch & Inspirational Speaker
1:00 p.m.- Have a nice trip home!

Make Plans Now For Holstein Conference

STATE COLLEGE (Centre) — The headquarters for the Pennsylvania Holstein Association Convention in the Wild, Wild West will be the Sheraton Inn-Shenango at West Middlesex. The Sheraton is easily accessible since it sets just off I-80 at exit 1N.

This luxurious hotel offers a beautiful indoor swimming pool surrounded by lush greenery in the tropical courtyard. Other attractions include a sauna, whirlpool, exercise room, and unique gift shop.

There will be music in the lounge for your entertainment on both evenings of the convention. The hotel dining room offers a wide variety of food and a special all-you-can-eat Sunday brunch.

Make your plans now for a mid-winter's getaway, February 20-21, to mingle with friends and enjoy a good western time.

CONVENTION SIDELINES

The convention committee has announced they will conduct a "People's Choice Award" this year. Breeders who have advertised in the PA Profiles during 1988 should find their best ad and bring it to the PHA Convention. Once all the ads are corralled, convention goers will have the chance to vote on the best ad for 1988. The winner will receive a free ad in Profiles and special recognition. Round-up those ads and bring them to the WILD, WILD WEST.

For the early arrivals to the convention, a special treat will be waiting. Chairman Bob Dickson has informed us he will be showing "Highlights of the Satellite Sale" starting between 8 & 8:30 Sunday evening, February 19th. Since few of us can make it to Florida or have satellites, this will be a unique opportunity.

Come early, catch this unique sale, share in some refreshments, and get a head start on a great time in the Wild, Wild West.

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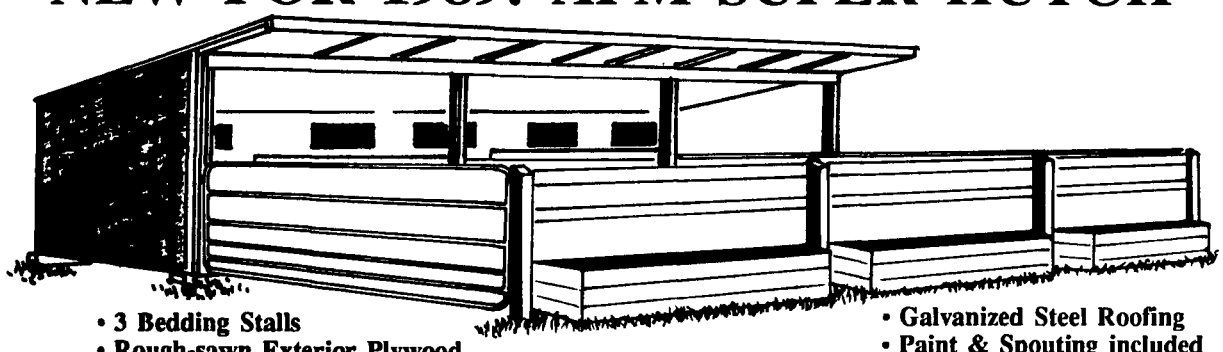

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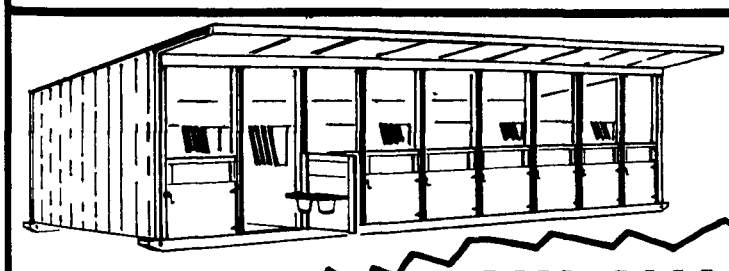

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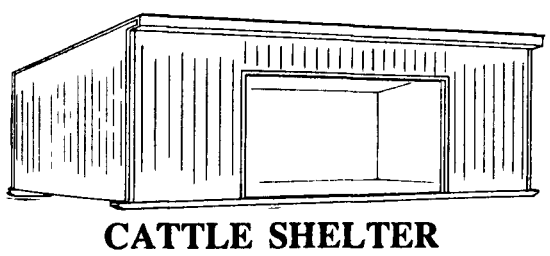

CATTLE SHELTER
Constructed of exterior rough sawn siding on treated skids. Shelter is painted and includes galvanized steel roofing and spouting.

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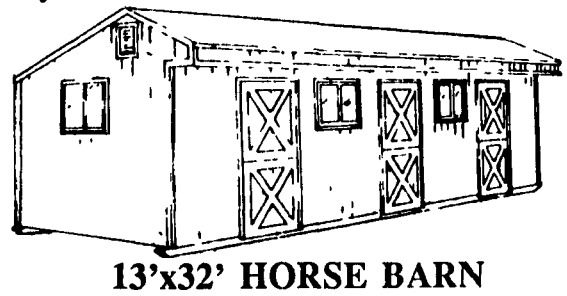
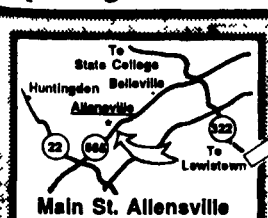


13'x32' HORSE BARN
Constructed of exterior rough sawn siding on treated skids. Two 10'x11' stalls plus 9'x10' feed room. Dutch doors.



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420 AN 4WD	57		$9,995
611 C w/rollbar	75	Plus Freight	$10,995
505	70	Less Trade-In	$10,995
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562 4WD w/cab	70		$13,679
820 4WD.	85		$13,995
822 4WD w/cab	85		$14,795
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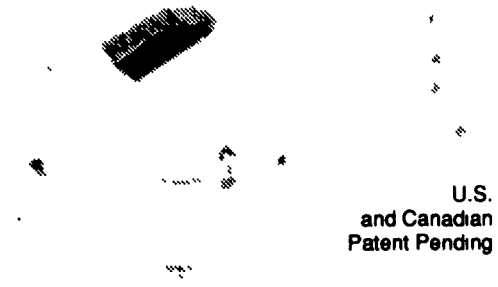

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PDA Lists 1988 Accomplishments

MARKETING AND AGRICULTURAL DEVELOPMENT:

-- Through the Agricultural Entrepreneur Development Program, the Department of Agriculture distributed nearly $1 million in matching grants to twenty-one small agribusinesses in nineteen counties. These grants helped construct or expand processing operations that add value to agricultural commodities produced in Pennsylvania. The program has created 276 new jobs.

-- The Pennsylvania Department of Agriculture reported record agricultural and food exports of $203 million. This was a 21 percent increase over the prior year. (NOTE: The reporting period in this case is a federal fiscal year and figures come from USDA. The reporting period discussed ended on Sept. 30, 1987. Figures for the period ending Sept. 30, 1988 will not be compiled by USDA until May.)

-- The Pennsylvania Department of Agriculture helped vegetable growers establish the Pennsylvania Vegetable Marketing Program under Act 1 of 1987. This program is completely controlled by growers.

-- The Department of Agriculture approved $2.5 million for agricultural research projects for fiscal year 1988-89. This is an increase of $1.5 million over the previous year.

-- In conjunction with Rotary International and the Brothers Brother Foundation, the Department of Agriculture helped distribute free seed corn to farmers who suffered severe drought damage in the summer of 1987.

PUBLIC HEALTH AND SAFETY:

-- The Department of Agriculture developed a voluntary registry for citizens who have medical hypersensitivity to pesticides. Through this program, citizens receive advance notification of pesticide applications on lands adjacent to their homes.

-- The Department of Agriculture developed a voluntary program to prevent and control Salmonella enteritidis in chicken egg producing flocks.

-- When severe drought conditions led to the appearance of aflatoxin in grains, the Department of Agriculture began testing samples in Pennsylvania. This testing determined corn in Pennsylvania was not contaminated to the high levels detected in Midwestern states.

-- The Department of Agriculture implemented a new certification program to permit kennel owners to vaccinate their own animals against rabies. In the first year of this new program, 380 kennel owners were certified.

-- The Department of Agriculture increased Quality Assurance Inspections on amusement rides. There were 40 times more inspections in 1988 than in the prior year. These increased inspections force ride owners to make safety improvements to machinery before amusement rides can be opened to the public.

EFFICIENCY ACHIEVEMENTS:

-- After developing a new donated food distribution system through a pilot project, the Pennsylvania Department of Agriculture implemented the new system statewide in 1988. Through this new system, food is delivered to schools and other recipient agencies which had to arrange pickup from warehouses in the past. This new system saves transportation costs and improves efficiency. It was developed by the Bureau of Government Donated Foods and it stands as a model for all other states.

-- The Department of Agriculture disbursed the dairy herd at the Danville State Farm and leased that farm to a private citizen. Operation of the Danville Farm had been subsidized by ten other state farms. Leasing the Danville Farm helps protect the future of the state farm program. State-owned farms in Pennsylvania produced-record revenues in 1988 after several years of operating at substantial losses.

CONSUMER PROTECTION:

-- Through the bureau of Weights and Measures the Department of Agriculture inspected retail sales of baler twine. This project exposed mislabelling and short lengths. In some cases, buyers were shorted as much as 15 percent. Mislabelled twine was ordered out of stores as a result of this investigation.

-- Through an inspection of retail sales of polyethelene sheeting, the Bureau of Weights and Measures determined consumers were not getting what they paid for. This probe resulted in a multi-state recall of polyethelene sheeting by a chain of retail stores (Busy Beaver Stores). The Department of Agriculture is proposing new regulations to promote fairness in purchases of polyethelene sheeting.

-- The Department of Agriculture initiated a sampling project to inspect orange juice products. This inspection determined some producers were diluting orange juice. Violators were warned for first offenses and prosecuted for further infractions. Resampling demonstrates consumers have been protected by this project.

LEGISLATIVE ACCOMPLISHMENTS FOR AGRICULTURE IN 1988

-- **ACT 63** provides reimbursement to farmers who have suffered livestock damage from coyotes. This act also permits small municipalities to qualify for grant monies by developing joint dog control programs.

-- **ACT 86** amends the Crime Code and makes agricultural vandalism, the intentional damaging of farm property, a criminal offense.

-- **ACT 122** authorized the Department of Agriculture to license and regulate poultry dealers and transporters and establish cleanliness standards for poultry transportation. The law will help control the spread of poultry diseases. The law also provides for licensing and regulation of the production of ethyl-alcohol (ethanol) by the Department of Agriculture. Ethanol was previously regulated by the Liquor Control Board.

-- **ACT 141** will, after approval by voters, reform property taxes that are a burden to farmers who pay substantial amounts of property taxes because they own large parcels of land. This tax reform law will also abolish nuisance taxes.

-- **ACT 148** creates an Animal Health and Diagnostic Commission to oversee animal health problems, direct research dollars, coordinate laboratories and advise on animal health policy.

-- **ACT 149** preserves farmland through a purchase of development rights program. Property easements will control development on farms for 25 years or for perpetuity. The act will protect the economy by saving vital farmland. In addition, it will preserve open space for wildlife, groundwater resupply, and for tourists.

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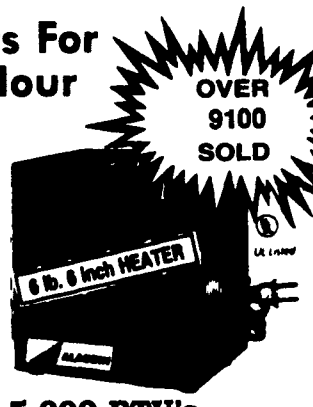

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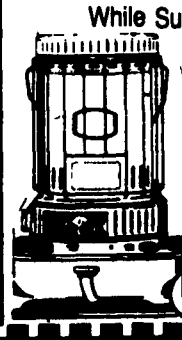

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Pennsylvania Agriculture — The Keystone Of Our Economy

1989 Farm Show —

State Farm Show Complex *Harrisburg, Penna.*

Exhibition And Meeting Schedules

Show Building Layout

January 8-13

Hours:
1pm to 6pm, Sunday
8am to 9pm, Monday through Thursday
8am to 4pm, Friday
Free Admission- $2 parking per vehicle

Meetings Rooms A1-E are located on 2nd floor over the East Lobby PA Room located on Uper Concourses of Large Arena.

SATURDAY, JANUARY 7, 1989
(show is closed - judging only)

9 am Swine Judging: Berkshire, Chester White, Duroc, Hampshire, Landrace, Poland China, Spotted, Yorkshire (in order)- Small Arena.
11 am Judging: Tobacco- West Lobby.
Noon Judging: Corn- West Lobby.
Noon Judging: Maple Syrup, Fruit, Nuts- East Lobby.
1 pm Judging: Hay- West Lobby.
2 pm Judging: Apiary Products- East Lobby.
2 pm Judging: Blue Ribbon Apple Pies- PA Room.
2 pm Judging: Potatoes- West Lobby.
3 pm Judging: Small Grains- West Lobby.
4 pm Judging: Mushrooms- West Lobby.
6 pm Judging: Carcass Lambs- Small Arena.

3 pm Cooperative Swine Breeders Association- Room B.
5:30 Pre-Farm Show Dinner- Marriott.

SUNDAY, JANUARY 8, 1989

8 am Judging: Live Poultry- Poultry Room.
9 am Judging: Vocational Horticulture, School Exhibits- Lower Concourse.
9 am Sheep Judging: Hampshire, Shropshire, Southdown, Suffolk, Cheviot, Dorset (in order)- Small Arena.
9:30 Judging: Vegetables- West Lobby.
11:15 Non-denominational Worship Service- Large Arena.
Noon Judging: Eggs- Poultry Room.
12:15 GRAND OPENING CEREMONIES- PUBLIC WELCOME- LARGE ARENA.
1 pm **DOORS AND EXHIBITS OPEN TO PUBLIC.**
1 pm Judging: Christmas Trees- Main Lobby.

9 am Suffolk Sheep Association- Room A1.
1:30 International 4-H Youth Exchange- Room C.

MONDAY, JANUARY 9, 1989
OLDER PENNSYLVANIANS DAY

8 am Judging: Eggs- Poultry Room.
8 am Judging: Dressed Poultry- West Lobby.
9:30 Draft Horse Judging: Belgian, Clydesdale- Large Arena.
9:30-4 Vo-Ag School Demonstrations- PA Room.
10 am Swine Sale: Poland China- Small Arena.
11 am Draft Horse Judging: Percheron- Large Arena.
11:30 Swine Sale: Chester White- Small Arena.
1 pm Swine Sale: Berkshire- Small Arena.
2:30 Swine Sale: Duroc- Small Arena.
3 pm Judging: Wool- West Lobby.
5 pm Sheep Judging: Rambouillet, Corriedale, Merino (in order)- Small Arena.
SECRETARY OF AGRICULTURE'S NIGHT- Large Arena.
4:30 pm Draft Horse Hitched Competition- Cart Classes.
6:40 pm Secretary's Welcome & Award Presentations.
7:00 pm Pennsylvania Lottery Drawing- Daily Number and Big 4.
7:20 pm Cumberland County 4-H Horse Club Drill Team.
7:50 pm Team Hitch Classes, 4-H Horse Hitch Classes.

1 pm State Grange- Room B.
1 pm Master Corn Growers Association- Room E.
4 pm Cooperative Swine Breeders Association- Room D.
6 pm Guernsey Breeders Board of Directors- Ponderosa.

TUESDAY, JANUARY 10, 1989

8 am Dairy Cattle Judging: Guernsey, Brown Swiss, Milking Shorthorn- Large Arena.
8:30-4 pm Vo-Ag School Demonstrations- PA Room.
9:30 Dairy Cattle Judging: Holstein- Large Arena.
10 am Swine Sale: Hampshire- Small Arena.
11 am Dairy Cattle Judging: Ayrshire, Jersey- Large Arena.
11:30 Swine Sale: Landrace- Small Arena.
1 pm Swine Sale: Berkshire- Small Arena.
2:30 Swine Sale: Spotted Swine- Small Arena.
3 pm Supreme Champion of Dairy Breeds- Large Arena.
6:30 Junior Sheep Blocking & Grooming Contest- Small Arena.
MASTER FARMERS NIGHT- Large Arena.
7 pm Folk Dance Festival & Contest.

8 am Society of Farm Women- Room D.
Noon Guernsey Breeders Board of Directors- Room A1.
Noon Guernsey Breeders Association- Room C.
1:30 Jersey Cattle Club- Room B.
3 pm Mid-Winter Meeting, Ayrshire Breeders Association- Room E.
6 pm Annual Meeting, Pa. Dairymens Association- Sheraton Inn East.
7 pm Annual Meeting, Pa. Angus Association- Holiday Inn (formerly the Host Inn).
7 pm Horse & Mule Association- Room E.

WEDNESDAY, JANUARY 11, 1989

8:30-11 Vo-Ag School Demonstrations- PA Room.
8:30 Junior Sheep Breeding Classes: Cheviot, Corriedale, Dorset, Hampshire, Merino, Rambouillet, Shropshire, Southdown, Suffolk, Montadale (in order)- Small Arena.
9 am Beef Cattle Judging- Large Arena. Polled Hereford, Limousin, Charolais (ring 1); Simmental, Angus (ring 2) (in order).
10 am Junior Market Lamb Classes- Small Arena.
1 pm Junior Lamb Showmanship Contest- Small Arena.
4:30 Championship Horse Pulling Contest- Large Arena. Lightweight Division, 6-Horse Hitch Demonstration, Heavyweight Division (in order).
6-8:30 Pennsylvania Sheep to Shawl Contest- Small Arena.
8:45 Auction of Shawls- Small Arena.

8 am Mid-Winter Convention, Future Farmers of America- Forum.
3 pm Charolais Association- Room B.
3 pm Limousin Association- Room C.
4 pm Simmental Association- Room A1.
7 pm Rabbit Breeders Association- Room E.

THURSDAY, JANUARY 12, 1989

8:30 Junior Beef Breeding: Angus, Charolais, Chianina, Limousin, Hereford, Polled Hereford, Shorthorn, Simmental (in order)- Large Arena.
8:30 Junior Market Swine Classes- Small Arena.
9 am 4-H Potato Grading & Identification- Room D.
Noon Junior Beef Steer Classes- Large Arena.
3 pm Junior Swine Showmanship Contest- Small Arena.
3:15 Grand Champion Steer- Large Arena.
3:45 Junior Beef Showmanship Contest- Large Arena.
6 pm Championship Pony Pulling Contest- Large Arena. Lightweight, Mediumweight & Heavyweight Divisions (in order).
7 pm Championship Bid Calling Contest- Small Arena.

8:30 Nut Growers Association- Room C.
1 pm Maple Syrup Producers Council- Room E.

FRIDAY, JANUARY 13, 1989

8:30 Dairy Goat Judging: Alpine, LaMancha, Nubian, Toggenburg, Other Purebreds, Recorded Grades (in order)- Large Arena.
10 am Sale of Champions and Reserve Champions- Small Arena.
11:15 Junior Market Swine Sale- Small Arena.
1 pm Junior Market Lamb Sale- Small Arena.
2 pm Junior Steer Sale- Small Arena.
4 pm Doors Close on the 1989 Farm Show.

SHOW IS CLOSED TO THE PUBLIC ON SATURDAY (JUDGING AND MEETINGS ONLY)

EXHIBITORS LIST

COMMERCIAL EXHIBITORS

Space No. 1 through 627 - Main Floor
Space Nos. 628 through 671 - East Building
Space Nos. N1 through N44 - North Building
Space in Large Arena indicated by U (Upper Level) or L (Lower Level)
Food Market Place - Separate Listing
Outside Spaces - Separate Listing
Commodity Booths and Church Booths - Separate Listings

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Acugrain 658
Adams County Nursery 638, 639
Ag-Bag Corporation N523-N525
Ag Products Co. 636
Agmark Intermodal Systems N19
Agricol Corp. 632
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Agri. Stabilization & Conservation Service 628
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COMMODITY BOOTHS- MAIN FLOOR

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Pennsylvania Dairymens Association
Pennsylvania Livestock Association
Pennsylvania Mushroom Growers Cooperative Assn.
Pennsylvania State Beekeepers
Pennsylvania Poultry Federation
Pennsylvania Vegetable Growers Assn.
State Horticultural Assn. Of Pennsylvania

1989 FARM SHOW FOOD BOOTHS RELIGIOUS ORGANIZATIONS

Paxton United Methodist Church.
Mt. Calvery United Methodist Church.
Colonial Park United Church Of Christ
St. Matthews Catholic Church.

COMMODITY BOOTH - MAIN FLOOR

Pa. Cooperative Potato Growers
Pa. Dairymans Association
Pa. Livestock Association
Pa. Mushroom Growers Cooperative
Pa. State Beekeepers
Pa. Poultry Federation
Pa. Vegetable Growers Association
State Horticultural Association Of Pa.

RELIGIOUS ORGANIZATIONS - MAIN FLOOR

St Catherine Labourne Church
Derry Street United Methodist Church
Grace Evangelical Congregational Church
Epiphany Lutheran Church

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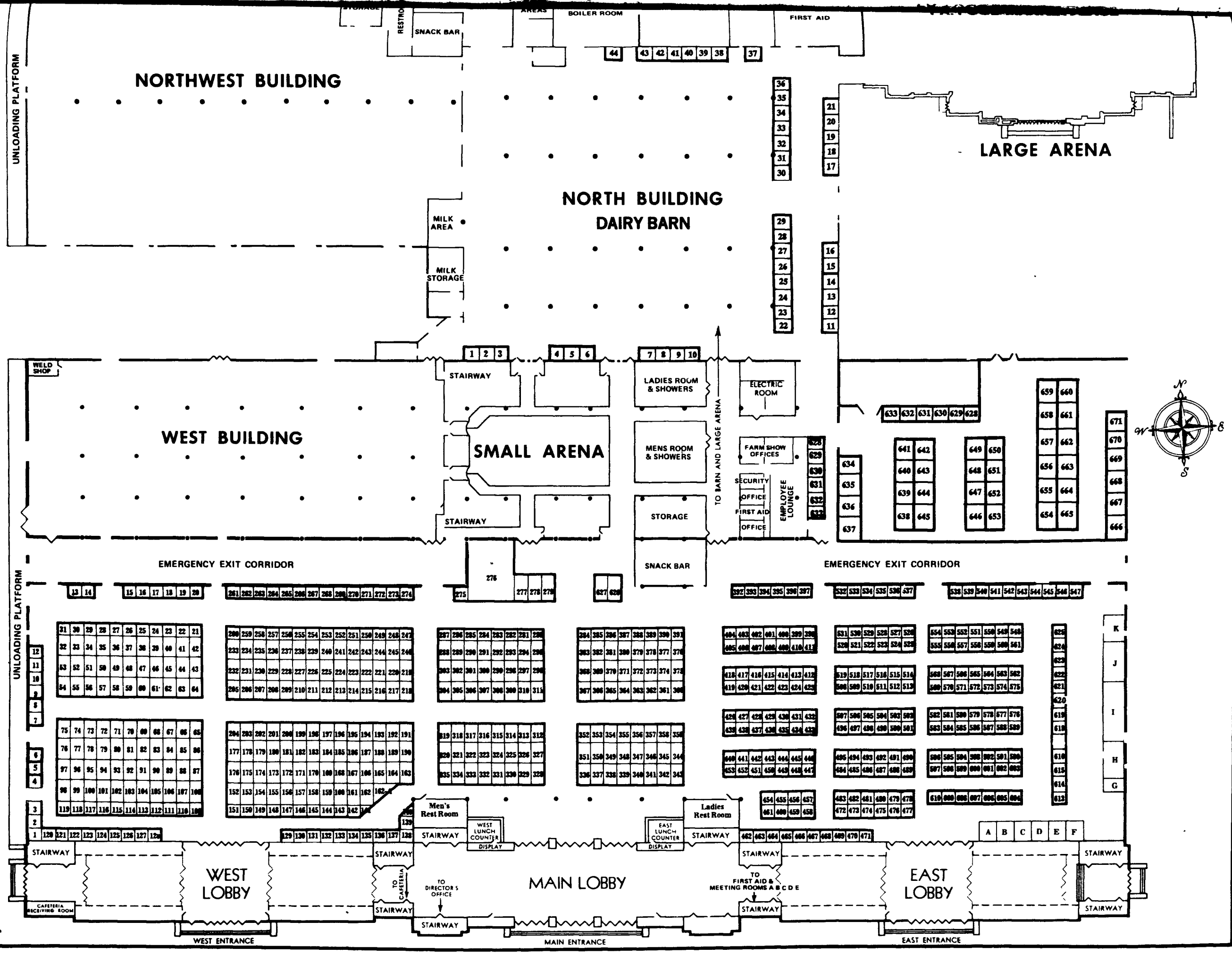
1989 FARM SHOW FOOD MARKETPLACE EXHIBITORS LIST - LARGE ARENA

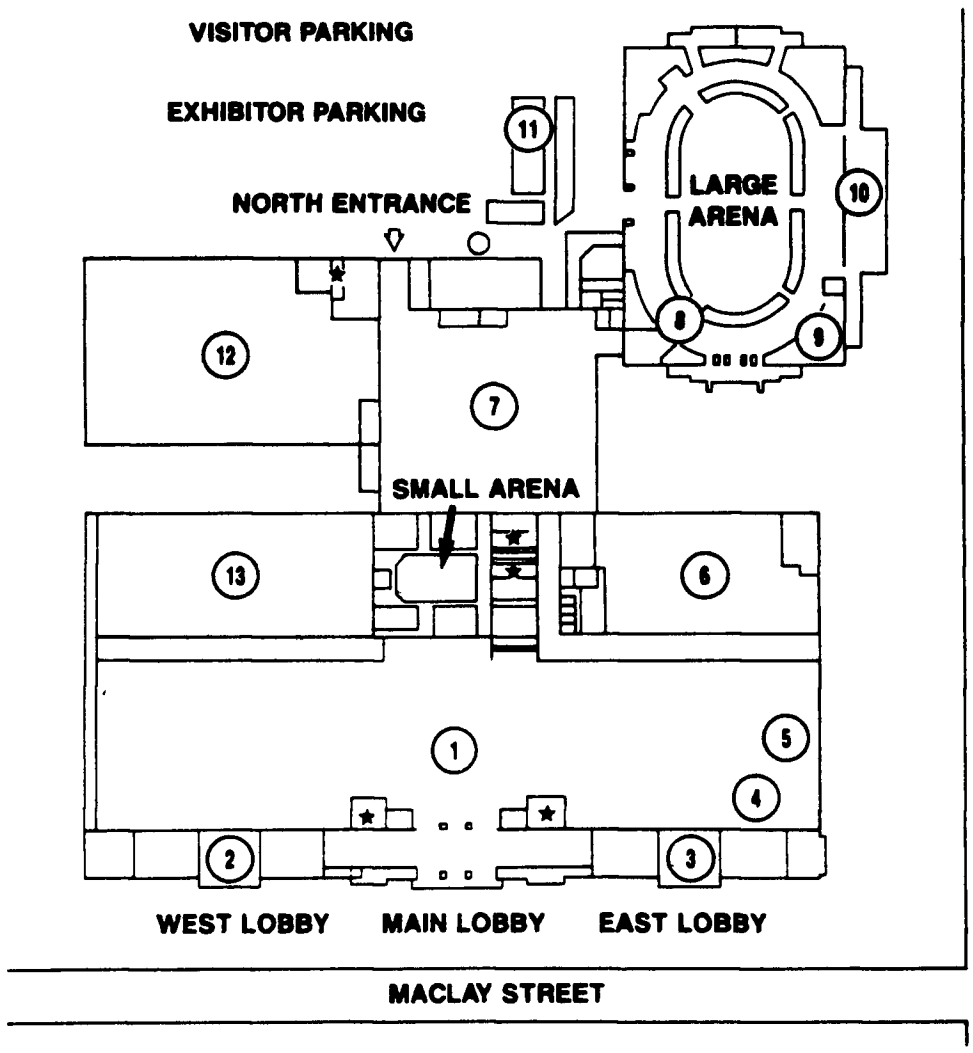
Bakery In A Barn 10
Berks Packing Co. 17
The Cookie Corner 11
John F. Cope Co., Inc. 22
Furman Foods 18
G's Caramel Corn 16
Groff's Candy 12
Groff's Snack Foods 20
Hall's Ice Cream 15
Hartman's Mill 14
Hatfield 1
Herr Foods 13
High Point Acres 6
Kitchen Kettle 3
Leo's Dairy 9
New Holland Meats 21
Nibble With Gibble's 23
Palmyra Bologna 24
Perry County Candies 19
Spring Glen Farm 5
T & J Meats 4
Daniel Weaver 2
L. D. Weaver 7
Weis 8


NORTHWEST BUILDING
NORTH BUILDING
DAIRY BARN
LARGE ARENA
WEST BUILDING
SMALL ARENA
UNLOADING PLATFORM
SNACK BAR
BOILER ROOM
FIRST AID
MILK AREA
MILK STORAGE
WELD SHOP
STAIRWAY
LADIES ROOM & SHOWERS
ELECTRIC ROOM
MENS ROOM & SHOWERS
FARM SHOW OFFICES
SECURITY OFFICE
FIRST AID OFFICE
EMPLOYEE LOUNGE
TO BARN AND LARGE ARENA
STORAGE
SNACK BAR
EMERGENCY EXIT CORRIDOR
Men's Rest Room
Ladies Rest Room
WEST LUNCH COUNTER
EAST LUNCH COUNTER
DISPLAY
WEST LOBBY
MAIN LOBBY
EAST LOBBY
TO CAFETERIA
TO DIRECTOR'S OFFICE
TO FIRST AID & MEETING ROOMS A B C D E
CAFETERIA RECEIVING ROOM
WEST ENTRANCE
MAIN ENTRANCE
EAST ENTRANCE
N
S
E
W

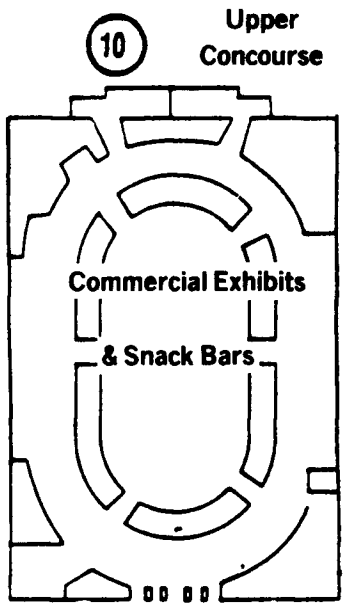
FARM SHOW COMPLEX

1 — MAIN EXHIBIT BUILDING
.....COMMERCIAL EXHIBITS
2 — WEST LOBBY
.....EXHIBITS
3 — EAST LOBBY
.....EXHIBITS
4 — CHURCH STANDS
.....FOOD
5 — COMMODITY STANDS
.....FOOD
6 — EAST BUILDING
.....POULTRY
7 — NORTH BUILDING
.....DAIRY CATTLE
8 — LOWER CONCOURSE
.....EXHIBITS
9 — FOOD MARKETPLACE
.....FOOD
10 — UPPER CONCOURSE
.....EXHIBITS
11 — OUTSIDE BOOTHS
.....EXHIBITS
12 — NORTHWEST BUILDING
.....HORSES & BEEF CATTLE
13 — WEST BUILDING
.....SHEEP & HOGS

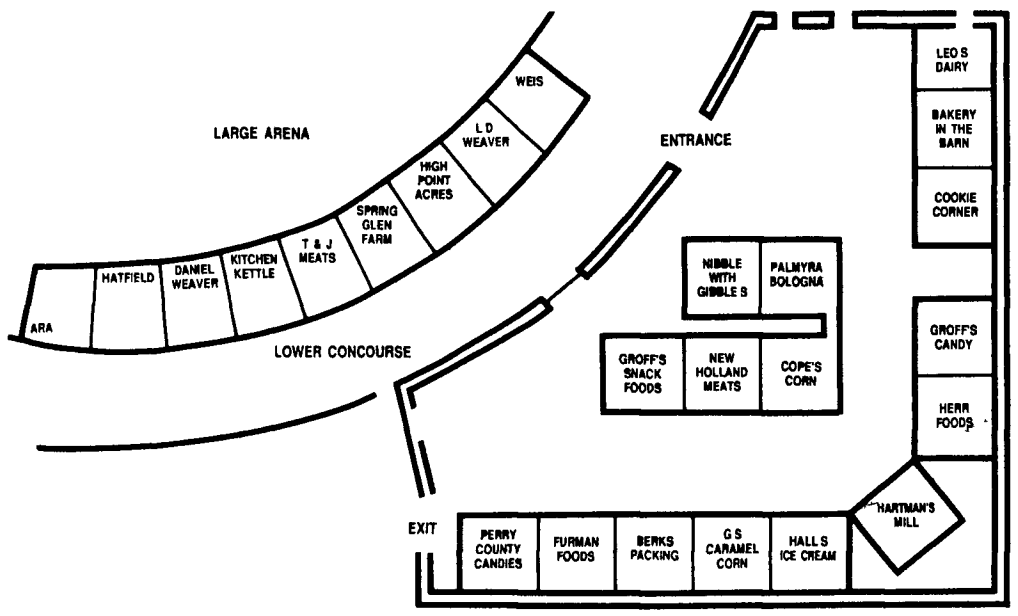
CAFETERIA, OFFICES & MEETINGS ROOM-
2nd FLOOR OVER LOBBY



**Note: The only places with 2 levels are arena and Maclay Street side (Lobby).



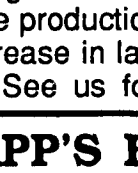
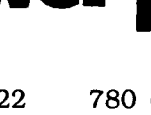
Food Marketplace
(1989 Keystone Showcase Of Processed Foods Participants)

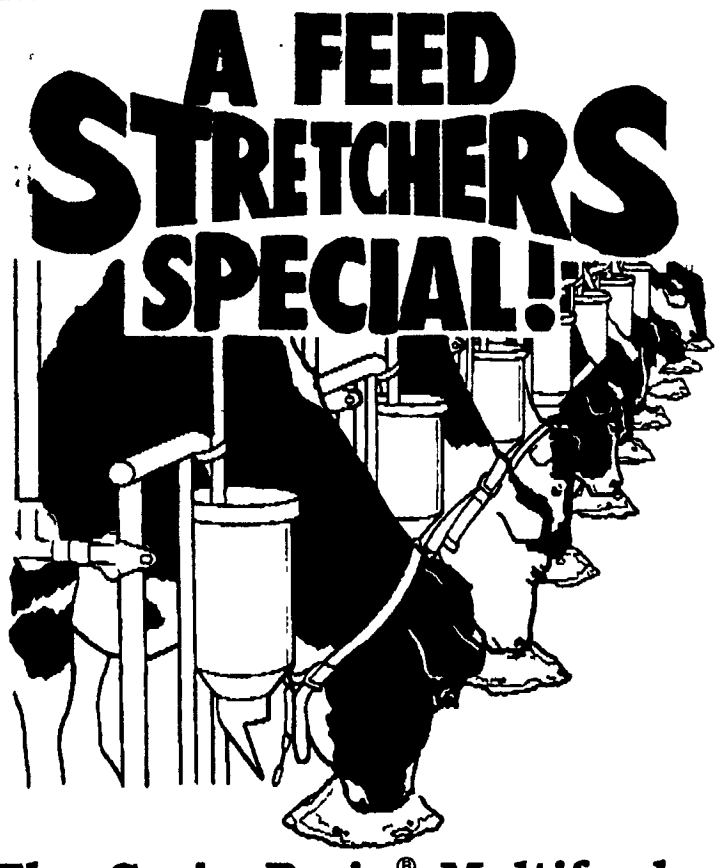


FARM MEETING SCHEDULE

Time	Saturday Jan. 7	Sunday Jan. 8	Monday Jan. 9	Tuesday Jan. 10	Wednesday Jan. 11	Thursday Jan. 12	Friday Jan. 15
8 a.m.				Society Of Farm Women — Rm D	Mid-Winter FFA Convention — Forum	8:30 a.m. Nut Growers Association — Rm C	
9 a.m.		Suffolk Sheep Association — Room A1					
10 a.m.							
11 a.m.							
Noon				Guernsey Breeders Board Of Directors — A1			
1 p.m.		1:30 p.m. Int'l 4-H Youth Exchange — Rm C	State Grange — Rm B Master Corn Growers — Rm E	Guernsey Breeders Association — Rm C 1:30 p.m. Jersey Cattle Club — Rm B		Maple Syrup Producers — Rm E	
2 p.m.							
3 p.m.	Cooperative Swine Breeders Assoc.—Rm.B			Ayrshire Breeders — Rm E	Charolais Association — Rm B Limousin Association — Rm C Simmental Assoc. — Rm A1		
4 p.m.			Cooperative Swine Breeders Assoc. — Rm D				
5 p.m.							
6 p.m.			Guernsey Breeders Board Of Directors Ponderosa	Dairymen's Assoc. — Sheraton Inn East			
7 p.m.	Pre-Farm Show Dinner — Marriott			Draft Horse & Mule Assoc. — Rm F Angus Association — Holiday Inn	Rabbit Breeders Association — Rm E		

1988 FARM SHOW JUDGING SCHEDULE

Time	Saturday Jan. 7	Sunday Jan. 8	Monday Jan. 9 (Older Pennsylvanians Day)	Tuesday Jan. 10	Wednesday Jan. 11	Thursday Jan. 12	Friday Jan. 13
8 a.m.	WELCOME	Live Poultry—PR	Dressed Poultry—PR	Dairy Cattle: Guernsey, Brown Swiss, Milking Shorthorn—LA 8:30 Vo-Ag School Demonstrations-Pa R	**8:30 a.m. Vo-Ag School Demonstrations-Pa. R. Jr. Breeding Sheep — SA**	8:30 Jr. Beef Breeding: Angus, Charolais, Chianina Hereford, Limousin, Polled Hereford Southern Simmental—LA 8:30 Jr. Market Swine—SA	**8:30 a.m. Dairy Goats: Alpine, LaMancha, Nubin, Toggenburg, Other Purebreds, Recorded Grades — LA**
9 a.m.	Swine: Chester White, Berkshire, Duroc, Hampshire, Landrace, Poland China, Spotted Swine & Yorkshire — SA	**4-H Horticulture Vocational — LC** **Sheep: Cheviot Dorset, Hampshire, Shropshire, Southdown, Suffolk — SA** **9:30 a.m. Vegetables — WL**	9:30 Draft Horse: Belgian and Clydesdale—LA 9:30 Vo-Ag School Demonstrations-Pa R	9:30 Dairy Cattle: Holstein—LA	Beef Cattle: Polled Hereford, Limousin, Charolais—LA Ring 1 Angus Simmental—LA Ring 2	**4-H Potato Grading — Rm D**	
10 a.m.			**Swine Sale: Poland China — SA**	**Swine Sale: Hampshire — SA**	Jr. Market Lambs—SA		**Jr. Market Swine, Lamb and Steer Champion Sale — SA**
11 a.m.	**Tobacco — WL**	11:15 Nondenominational Worship Service-LA	**Draft Horse: Percheron — LA** **11:30 a.m. Swine Sale: Chester White — SA**	**Dairy Cattle: Ayrshire, Jersey — LA** **11:30 a.m. Swine Sale: Landrace — SA**			11:15 Jr. Market Swine Sale—SA
Noon	**Corn — WL** **Maple Syrup, Fruits, Nuts — EL**	Eggs—PR 12:15 Grand Opening & Public Welcome—LA				Jr. Steer Show—LA	
1 p.m.	**Hay — WL**	**Christmas Trees — ML**	**Swine Sale: Berkshire — SA**	**Swine Sale: Berkshire — SA**	Jr. Lamb Showmanship—SA		Jr. Market Lamb Sale—SA
2 p.m.	**Apiary Products — EL** **Potatoes — WL**		**2:30 p.m. Swine Sale: Duroc — SA**	**2:30 p.m. Swine Sale: Spotted Swine — SA**			Jr. Steer Sale—SA
3 p.m.	**Apple Pies — Pa. R** **Small Grains — WL**		**Wool — WL**	**Supreme Champion of Dairy Breeds — LA**		Jr. Swine Showmanship—SA 3:15 Grand Champ Steer—LA 3:45 Jr. Beef Showmanship—LA	
4 p.m.	**Mushrooms — WL**		**4:30 p.m. Draft Horse Hitched Competitions, Cart Classes — LA**		**4:30 p.m. Horse Pull, Six-Horse Hitch — LA**		**Doors Close**
5 p.m.			**Sheep: Corriedale, Merino, Rambouillet — SA**	**5:30 p.m. Master Farmers Night — LA**			
6 p.m.	Carcass Lambs—SA		**6:40 p.m. Secty. of Ag Awards — LA**	6:30 Jr. Sheep Blocking & Grooming—SA	Sheep to Shawl Contest and Auction—SA	Pony Pulling Contest—LA	
7 p.m.			**Pa. Lottery Drawing** **7:20 p.m. Cumberland Co. 4-H Horse Club Drill** **7:50 p.m. Team Hitch Class**	7:00 Folk Dance Festival & Contest		Championship Bid Calling Contest—SA	
8 p.m.							



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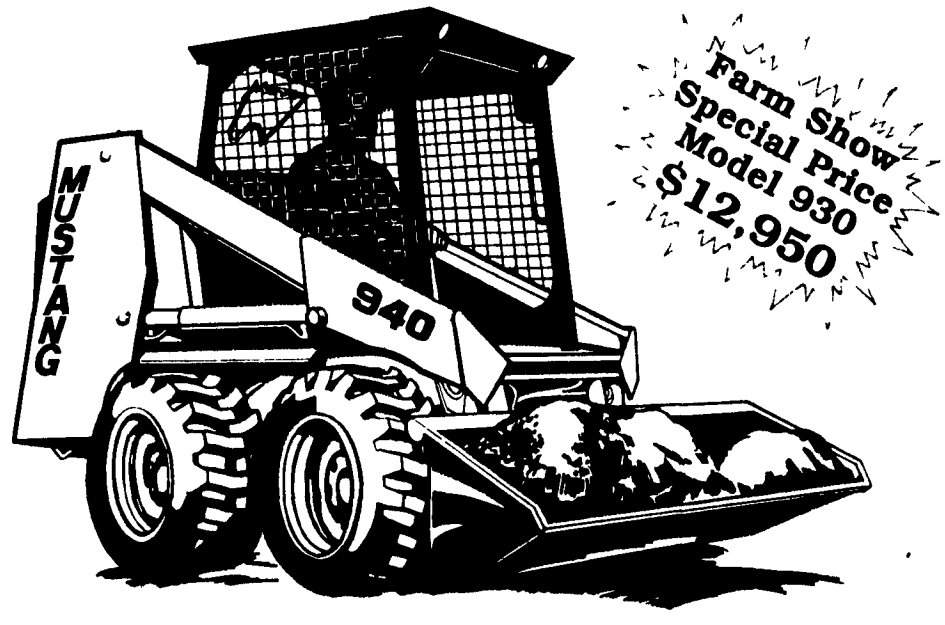

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Saving Soil Makes Dollars And Sense

BY CRAIG BINGMAN
Snyder Co. Correspondent

DANVILLE (Northumberland) — In 1936, Donald Cotner dared to try a new conservation measure called contour strips. Convinced of their effectiveness as a soil saver, Cotner eventually installed many more strips along with diversions, terraces, and waterways on his farm in Northumberland County. And because of the "exceptional stewardship of agricultural resources" on the Cotner farms, Donald and Janie Cotner of Danville were among 10 finalists in the National Conservation Farmer of the Year awards program sponsored by the National Endowment for Soil and Water Conservation and funded by the Dupont Company.

"My brother worked for SCS (Soil Conservation Service) in Clarion County and came home and helped me install these contour strips," says Cotner. "They looked crazy in those days, but they worked."

The home farm has been in the family since 1913, and with additional purchases of adjoining farms, the Cotners now own 800 acres and rent 250 acres. Cotner adds, "I decided early in my career as a farmer that if I was to be a steward of the soil I would do my best to care for the soil. It's just a common sense approach."

To date, Cotner Farms has installed 11,075 feet of cropland terraces, 10,250 feet of diversions, 300 feet of sod waterways, a manure storage facility, and practices no-till planting, minimum tillage, and winter cover cropping, as well as contour farming. Since about 90% of the farm is in corn, no-till is practiced extensively. Two years of no-till is followed by 2 years of minimum till into small grains.

"We are almost 100 percent no-till corn," adds Cotner. "We farm over 1,000 acres of hills, so we use no-till, terraces, waterways, and diversions."

Minimum till or chisel plowing is used when small grains are sowed. Seeded with the barley or oats is hairy vetch, a cover crop that Cotner feels is beneficial to him. The following spring he no-tills his corn into the vetch. In this way erosion is in check, and an extra helping of nitrogen is given.

Cotner received the Pennsylvania Conservation Farmer of the Year award earlier this year that made him eligible for the top ten national finalists. An awards ceremony was held for the top ten winners on October 30 in St. Louis in conjunction with the annual meeting of the American Agricultural Editors Association.

Though not selected as one of the three national winners, recently awarded to California, Kansas, and Virginia farmers, the Cotner's placing was extremely close. Cotner was also eligible in 1983, the first year of the national award when he received the Outstanding Conservation Farmer Award from the Pennsylvania Association of Conservation District Directors.

Another part of the Cotner farm is their production of eggs. Says Mrs. Cotner, "We package and market our own eggs. We ship to Wilkes Barre, Scranton, New York, New Jersey, and local hospitals."

Cotner Farms, run in partnership with son, Donald, Jr., manages 200,000 layers that produce about 12,000 dozen eggs per day. The business employs nine full-time workers to assist with the grinding of feed in their own mill, egg inspection, packaging, and delivery of the finished product in their own trucks.

Don Cotner not only practices conservation, he promotes it. "He has contributed hundreds of hours of his time to promote soil and water conservation in Northumberland County," says Bob Jacobs, District Manager for the Northumberland County Conservation District. "Don saved on the original steering committee that formed the Northumberland Conservation District back in 1934, and became one of the first farmers to sign up a "cooperator" with the district in 1944."

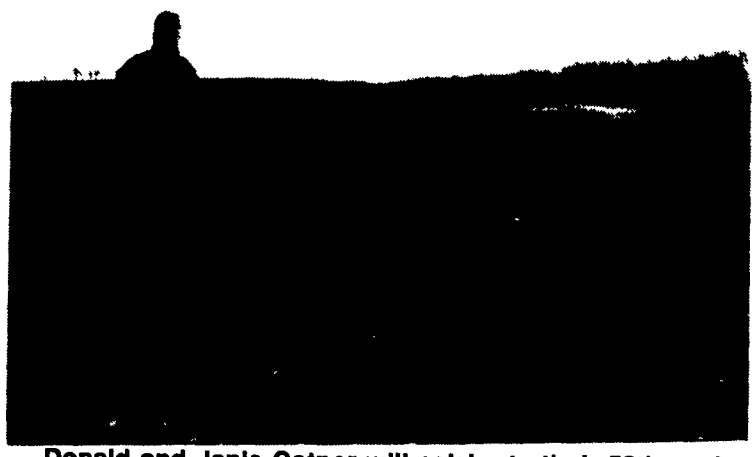
Cotner also served on the board of directors of the conservation district for 20 years, retiring in 1980.

Cotner pioneered the use of no-till farming in Northumberland County in 1970. Because of this, he has volunteered his land for no-till demonstration plots, offered his buildings for twilight meetings, and served on a federal panel to help other farmers with no-till. He is also a member of the Columbia Crop Management Association, as well as the Pennsylvania Farmer's Association.

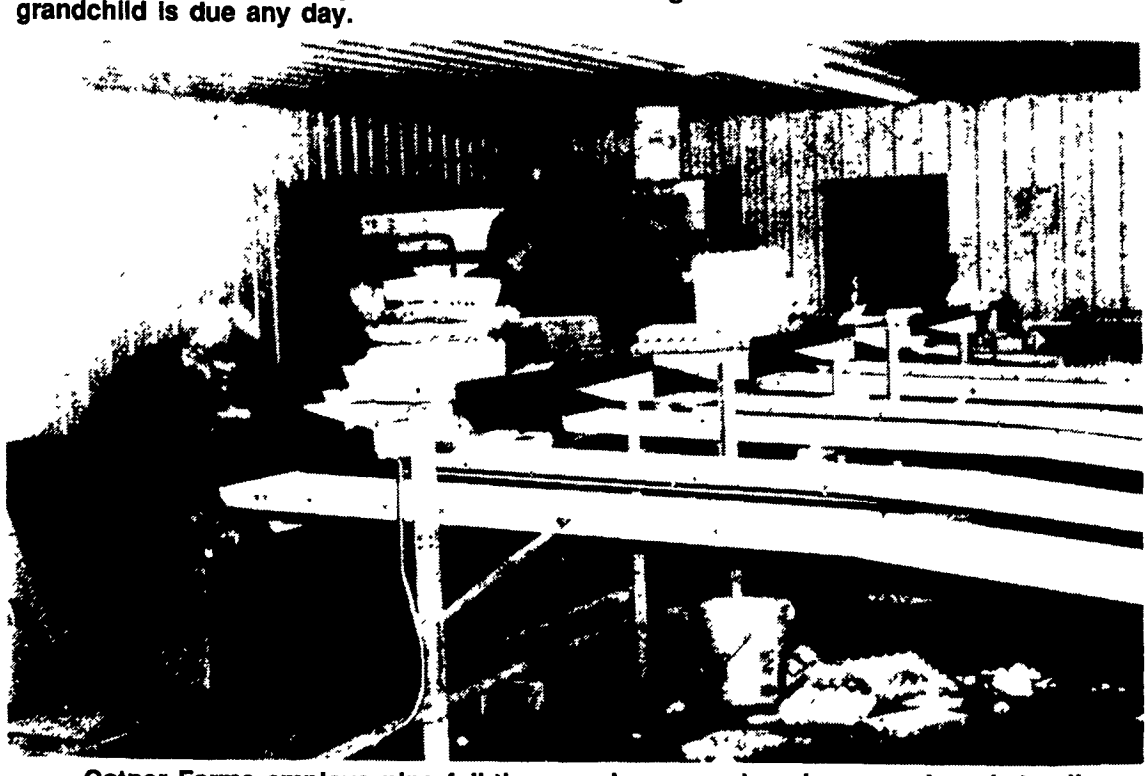
The 70-year-old Donald Cotner has been successful in the farming business for over 50 years and is quite convincing with his philosophy. "There's no question," stresses Cotner, "without soil conservation we couldn't survive. It is more profitable to keep soil on the farm than to let it wash away."

Saving soil saves money. Just ask Donald Cotner about the dollars and sense of it.

Don Cotner stands in one of his fields seeded to oats and hairy vetch. Beneath him is one of the many terraces on the farm.



Donald and Janie Cotner will celebrate their 50th wedding anniversary December 15, 1989. They have one son and six daughters with 16 grandchildren and the first great grandchild is due any day.



Cotner Farms employs nine full-time employees and packages and markets all their eggs.

Donald Cotner farms 1050 acres of corn, soybeans, and small grains employing contour stripcropping, terraces, diversions, and waterways.

Manage Phosphorus For Long-Term Profits

ATLANTA, GA — Phosphorus fertilizers are important management tools for long-term, sustained yields and profitability. Sustained profitability is the real indicator of good crop management. Superior crop management requires inputs based on sound advice and information, followed by appropriate, timely action.

Phosphorus fertilizer application methods have received a great deal of attention as a management tool. Banding phosphorus either preplant or at seeding can keep more phosphorus available longer and boost yields, especially when soil test phosphorus is low. But don't assume that broadcasting and incorporating phosphorus is all wrong. To do so may mean lost yield---and lost profit opportunities. Broadcast and incorporated phosphorus can provide the crop's needs if it is properly managed. In fact, recent evidence indicates greater wheat profits through higher yields and other cost savings when single large applications of phosphorus are made. That information relates particularly to the calcareous soils of the Great Plains.

Long-term studies of five to 12 years in Manitoba, Saskatchewan and Montana show that cereal and oilseed crops yield about the same whether phosphorus is supplied intermittently as a single, large application or in smaller annual quantities. Availability of residual phosphorus in the soil was as great as that from annual banded applications. Profitability over a 5-year period was found to be 15 percent greater for the residual phosphorus program. Yields were 50 percent greater than when no phosphorus was applied.

Large broadcast phosphorus applications establish a supply equilibrium controlling the amount of phosphorus available to the crop. When that phosphorus application rate is sufficient, the supply will be sufficient. Availability can continue for five or more years.

On some high-residual phosphorous soils, yields may be further increased by placing additional phosphorus with the seed for quick, early season growth.

Balancing nitrogen nutrition with phosphorus can increase yields by 50 percent with dramatic effects on profitability. Balanced fertilizer programs are essential. An essential part of good management is to assure everything works together--and at maximum efficiency.

Crop yields will usually increase as high residual phosphorus levels develop deeper in the soil. Phosphorus which becomes incorporated into soil organic matter moves into subsurface horizons. As phosphorus content increases throughout the rooting volume of the soil, the potential for better yields increases.

Acreage Reduction Programs

(Continued from Page A1)

In the case of corn, for instance, farmers must set aside 10 percent of their acreage bases. The loan rate, set nationally, is $1.65 a bushel; local rates will differ slightly. At sign-up, farmers can opt to receive 36.5 cents a bushel on average harvest totals. This rate represents 40 percent of the 89-cent estimated deficiency payment (the difference between the $2.84 target price and a national average market price USDA has forecast at $1.95 for the 1989 crop).

Typically, participating farmers receive the balance of their deficiency payments sometime after harvest. However, this winter, with corn prices higher than expected because of the drought, some farmers are having to repay advance deficiency payments obtained last spring.

Target prices and loan rates for other program crops include: wheat, $4.10 target and $2.06 loan; barley, $2.43 target and $1.34 loan; sorghum, $2.70 target and $1.57 loan; and oats, $1.50 target and 85 cents loan.

Participation in programs for all of these crops except oats will require a 10 percent set-aside. Oats has a five percent diversion. Unlike past years, none of this set-aside will have payments associated with it.

In a move to encourage greater production, participants in the oats program have the option of temporarily boosting their bases by borrowing from their bases for other crops without diminishing these bases for future years. The option is designed to alleviate a current oats shortage, according to Alarie Fleming, a program specialist in the state ASCS office in Harrisburg, Pa.

The other new wrinkle in this year's programs is an option to substitute soybeans or sunflowers for 10-25 percent of the acreage of program crops without losing base acres for future years. A farmer with a 120-acre corn base, for instance, could plant 27 acres of soybeans (25 percent of 120 acres minus the 12 acres required for set-aside). Farmers must sign up for this option by Feb. 3. However, neither party will be bound by an agreement, according to Maryland ASCS official Carol Wathen.

Other provisions from last year remain in effect, such as limited cross compliance and the 0-92 option.

Under cross compliance, a farmer who participates in the program for one crop on a particular farm cannot plant more than his base for other crops on the same farm for which he has ASCS bases, although he does not have to participate in the programs for these crops. Such compliance does not extend from one farm to another, however.

The 0-92 option, in place for the first time last year, allows a participating grower to idle all or a portion of a particular crop base and still receive 92 percent of the deficiency payments otherwise due him. This option also preserves bases for future years.

Program yields will be the same as they were in 1988. Base acres again will be determined by a five-year average of previous bases.

This year's low set-aside thresholds might entice more farmers into enrolling, but there's a catch. The averaging procedure for base acres means that a farmer without previous ASCS history will have a base established for him at one-fifth the level of his plantings the prior year.

That's one reason more livestock producers, particularly dairymen, have not taken advantage of the program even when it fits into their cropping plans. Many Extension agents recommend that all farmers take the time to register their planting intentions with ASCS regardless of whether or not they enroll in one of the programs.

Pennsylvania ASCS's Fleming said he wasn't sure to what extent local farmers will participate in the 1989 programs. While low set-aside levels encourage enrollment, lower deficiency payments should discourage it, he said.

The Way-Har Farm of Bernville in Berks County is owned by Wayne and Shirley Lesher. The owners were incorrectly identified in last week's issue. With encouragement from the Leshers Jim and Pam Berry of Lebanon were able to get their start in farming eight years ago. Pictured are (from left): Pam, Phillip, Jamie and Jim Berry.

Cargill Increases Number Of Scholarships For Rural Youth

EPHRATA (Lancaster) — Cargill is increasing the number of $1,000 scholarships it will provide. The 200 scholarships are for high school seniors from U.S. farm families planning post-secondary study next fall.

This year's awards will place increased emphasis on need-based criteria as a means of better targeting the scholarships, according to Calvin Anderson, executive director of the Cargill Foundation.

When the Cargill Scholarship Program for Rural America was established in 1986, it provided $100,000 in scholarship funds. The fund rose to $150,000 last year and was increased to $200,000 for 1989 in an effort to offer more students an opportunity to further their educations.

The program is designed to recognize and encourage academic achievement, accomplishments and talents of young people from U.S. farm families and help them get started with their post-secondary educations.

To qualify, students must have plans for full-time enrollment next fall at an accredited two or four-year college, university or vocational-technical school. An independent national scholarship service organization manages the selection process, which is based — in addition to need — on several criteria including academic records, leadership and extra-curricular accomplishments.

Deadline for scholarship applications is March 15, 1989. Students who receive scholarships will be notified by May 1. Information and application forms can be obtained from Cargill Hybrid Seeds: P.O. Box 328, St. Peter, Minn. 56082, (507) 931-2310.

York County Tree Seedling Sale

YORK — The York County Conservation District is planning for next spring's tree seedling sale. Every year the Conservation District holds a seedling sale to promote the planting of seedlings throughout the county.

Contact the York County Conservation District, 118 Pleasant Acres Road, York, PA 17402, or phone 771-9430 to be placed on the mailing list, if you have not ordered from us in the last three years. Order blanks will be mailed to you by mid-February. Distribution of the seedling's will be April 22nd.

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ID Mastitis To Determine Correct Treatment

C. Bovis Increases Somatic Cell Counts

ARLINGTON, VA — Minor mastitis pathogens cause "slight" increases in the somatic cell count when they infect the udder. **Corynebacterium bovis** is one of these "minor" pathogens. The exact source of C. bovis is not known, but **C. bovis** is very infectious and once a few quarters become infected, it can spread rapidly from infected quarters to uninfected ones.

No research data is available concerning effects of **C. bovis** on milk production and milk quality. Somatic cell counts of uninfected quarters may double when infected with this minor pathogen. Increases from 150,000 to 300,000 cells per milliliter are common. **C. bovis** rarely is isolated from quarters with clinical mastitis.

The greatest concern is quarters infected with **C. bovis** are more susceptible to infection with **Streptococcus agalactiae** and nonagalactiae streptococci than uninfected ones. These major mastitis pathogens can cause a dramatic drop in milk production and quality.

Prevention of **C. bovis** infections depends on effective udder hygiene - premilking udder preparation and postmilking teat dipping. Dry cow therapy eliminates most **C. bovis** infections. The prevalence of **C. bovis** is low in herds that practice teat dipping and dry cow therapy.

Incidence of **C. bovis** infection increases from calving throughout lactation in herds that have ineffective udder hygiene programs. Intramammary therapy of infected cows during lactation is not recommended because there is no economic advantage. It is more advantageous to dry-treat infected cows. Eradication of **C. bovis** is highly probable in well-managed herds under a rigid mastitis control program.

No Effective Treatment For Mycoplasma

Mycoplasma are a special kind of bacteria causing mastitis. **Mycoplasma bovis** and several other mycoplasma are involved. The major problems have been in New York, California, Arizona, and Florida, but many other areas throughout the United States have been affected.

Mycoplasma mastitis is usually severe and long lasting. Often several or all quarters are involved. Flakes and tan discoloration of milk appear first; thereafter, serum separates from clots of fibrin and cells. The udder is hard and swollen, but the cow usually eats well and has a normal temperatures. The symptoms may last for days, weeks, or months, sometimes even into the next lactation. Milk production may return, possibly reduced, in the same or next lactation.

It spreads on infected milking machines and hands during milking, or when careless treatment procedures are used. To prevent the spread of mycoplasma mastitis, an effective udder hygiene program must be followed. Teat dipping and other sanitary practices should be carried out, and mastitic cows should be milked last. It is especially important that intramammary treatment be carried out with great attention to sanitation as infection is easily carried from one cow to another on contaminated hands, syringes, and cannulas.

Purchased cows or heifers may carry the infection. A good safety precaution against introduction from other herds is to have a bulk tank milk sample of the herd of origin cultured for mycoplasma and to culture milk of individual animals at time of purchase or before they enter the milking herd.

There is no effective treatment for mycoplasma mastitis, but it can be eradicated from herds. To do so, follow the preventative measures which have been listed. Furthermore, the entire herd must be cultured for mycoplasma. Infected cows should be segregated from all others at least for that lactation, and be mycoplasm free on culture before returning t the herd. Consider culling M bovis infected cows. Be sure nc to buy infected replacements.

This article is one of a continu ing series made available by th National Mastitis Council. Fo additional information, contact th NMC, 1840 Wilson Blvd., Arling ton, VA 22201; (703) 243-8268

Wayne County Dairy Seminar

HONESDALE (Wayne) — A dairy cattle reproductive management seminar, sponsored by Penn State Cooperative Extension, will be held January 4, from 9:30 a.m. to 3:00 p.m., in the extension meeting room, Courthouse, Honesdale. Topics will include reproductive anatomy, examination of reproductive tracts, prevention and treatment of reproductive diseases, reproductive management practices, and uses of hormones and progesterone tests in reproductive management.

Speakers will be Dr. Michael O'Conner, Penn State University extension dairy specialist; Dr. Larry Hutchinson, Penn State extension veterinarian; and Nick Place, Susquehanna county extension agent, who formally was an artificial breeding technician.

Advanced registrations are requested by calling Wayne County Extension Office at 717-253-5970. There is a $3.00 registration and lunch fee. Refreshments wil' be provided by Sire Power and Eastern Milk Producers Cooperative.

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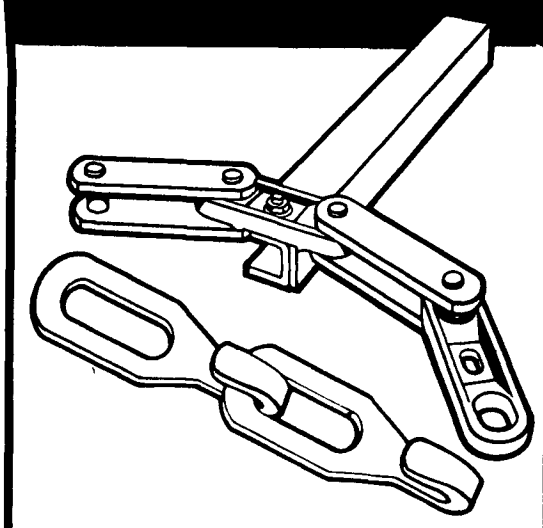

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We are hopeful that 1989 will be a profitable year for all of our friends and customers in the agriculture business.

We wish you health, happiness and prosperity, and continue to pray for peace.

From The Staff
Farmer Boy Ag

Eradicating Johnes Disease Demands Industry Effort

A symposium on Johne's disease was sponsored by Livestock Conservation Institute, the University of Wisconsin School of Veterinary Agriculture, and the Wisconsin Department of Agriculture, Trade and Consumer Protection. It was held in Madison, Wisconsin on November 11, 1988.

Johne's disease, caused by Mycobacterium paratuberculosis, is a disease found in ruminant animals. The disease is most frequently a problem in dairy cattle.

The disease can be spread transplacentally to the fetus, at birth, and through contaminated water and feed. It is extremely rare that the diseases can be transmitted through semen, according to Dr. Robert Whitlock, School of Veterinary Medicine, University of Pennsylvania.

"The organism is shed in the manure in large numbers by infected adult cows, especially those with clinical signs. This shedding causes extensive contamination of the environment, including the calf and the cow's udder. Once the bacteria are ingested, they multiply slowly over many months in the lower intestinal tract, causing the intestine to become thickened. Once thickened, the intestine absorbs nutrients and water less effectively, resulting in diarrhea and certain death unless the cow is sent to salvage before that time," Whitlock said.

"There is currently no treatment for the disease," said Whitlock.

A point that was stressed during a panel discussion was that improved management techniques such as better sanitation methods, for example, were necessary, to lower the incidence of Johne's disease.

Another message that came through, during the panel discussion was that the industry has to work together to solve this problem. The producer has got to want to do something about the disease instead of being afraid to admit he/she has it, because the economic losses are great if we do something about it, but even greater in the long run, if we do nothing.

Walter Stemler, of Mid-America Dairymen Inc., and member of the LCI Executive Committee, encouraged producers to go to their milk cooperatives and recommend that a resolution by put forth to develop a national Johne's disease control program. Stemler was one of the meeting participants that commented during a panel/audience discussion.

"There is no way there will be a federal regulatory program for Johne's disease until the industry demands it," said Dr. Diana Whipple, National Animal Disease Lab, Ames, Iowa.

If we could get the whole industry involved, we can work to solve this problem, according to Dr. Sarah Hurley, Wisconsin Department of Natural Resources and School of Veterinary Medicine, University of Wisconsin, Madison.

USDA PROVIDES NEW SERVICE

USDA-APHIS is now providing a new phone service (Voice Response Service) that provides the caller with information on regulations for specific states, as well as emergency notices. To call, you must use a touch-tone phone, dial 1-800-234-8732.

This system was developed to supplement other sources of state import requirements. Forty-three states have made their rules and regulations known to the System.

State information or changes in regulations should be reported to the National Center for Animal Health Information Systems, 555 S. Howes, Suite 300, Fort Collins, CO 80521. (Journal of the American Veterinary Association, Nov. 1, 1988)

HOLLAND EXPERIENCES BRUCELLOSIS OUTBREAKS

Outbreaks of brucellosis on two farms in southern Holland have required the destruction of 220 dairy cows. The infection was first detected in a cow imported from Germany which suffered an abortion. Six-hundred-twenty-five cows in Limburg, southern Holland, are already reported to have been destroyed this year as a result of the disease. (Animal Pharm, September 23, 1988)

IOWA ALLOWS IMPORTATION OF FEEDER PIGS FROM WISCONSIN WITHOUT FURTHER TESTS

An order signed by Dale Cochran, Secretary of Agriculture and Land Stewardship for the state of Iowa, allows for the importation of feeder pigs of Wisconsin origin into Iowa without further tests on these animals or the breeding herd of origin.

These animals must be identified by ear tags, be accompanied by an approved certificate of veterinary inspection showing the permitted number and will be quarantined to the farm of destination until slaughter.

This order went into effect November 8, 1988.

MASSACHUSETTS VICTORY MAY BREED COMPLACENCY, Editorial by John H. Lang, President

Before we are finished basking in the euphoria of the resounding defeat of the Humane Farming Initiative in Massachusetts, we need someone to jerk us back to reality. Let me play that role.

The major danger we face now is complacency. The margin of victory was so great that it will seem to the casual observer that the victory was easy. The livestock industry -- a multi-billion dollar industry -- failed to provide adequate financial resources to Massachusetts to fight the initiative. It was, in fact, only the heroism of Massachusetts farmers, desperate to save their farms and their way of life, that motivated them to undertake the campaign they did. Every farmer in the state must have been at a voting center on election day, personally lobbying for the defeat of the Humane Farming Initiative.

Yes, we did win, but the livestock industry took a major risk in not providing Massachusetts farmers with the resources to undertake an adequate conventional publicity campaign to back their grass roots campaign. We may not be able to muster that level of farmer commitment in a future challenge.

There certainly are plusses to the Massachusetts victory. It confirms to legislators and regulatory officials that support for sweeping animal welfare regulation is not broad. This victory gives us breathing room to address the more substantive issues of livestock welfare including the development of effective training programs on livestock handling for livestock managers and employees, the support of livestock behavioral research, and the use of that knowledge in the development of better livestock handling systems, equipment and techniques.

The defeat of the Humane Farming Initiative in Massachusetts was not the rejection of the need to treat livestock humanely. Instead, it recognizes that producers do handle their livestock humanely, and that humane livestock handling practices should be based on research and not on philosophy or theology, or the need to keep the funds rolling in to pay the salaries of highly paid animal rights organization executives.

REPORTS OF LYME DISEASE INCREASE

Lyme disease has been reported with increased frequency on the east coast, in the midwestern states of Minnesota, Wisconsin, Michigan, Illinois, Iowa and Indiana, and in the western states of California, Nevada, Utah and Oregon, according to University of Wisconsin researcher Dr. Elizabeth Burgess.

"The disease has been found in a total of thirty-nine states", said Burgess.

Lyme disease gets its name from the city that it was first recognized in the United States in 1975 - Old Lyme, Connecticut. The disease can cause serious illness in humans and animals if not diagnosed and treated promptly. It is often difficult to diagnose since some of the symptoms could also be signs of other diseases, according to Burgess.

Lyme disease is transmitted by the bite of a deer tick (Ixodes dammini), which is found in the midwestern and eastern coastal states. In California and other western states, the vector is the western black-legged tick (Ixodes pacificus). The ticks are most frequently transported by the white-tailed deer or the white-footed mouse.

The bacterium that causes Lyme disease is a spirochete called Borrelia burgdorfer. The parasite can be excreted in the urine of mice, dogs, horses and cows. Livestock can be infected with the organism by ingesting a substance or licking an area contaminated by the excrement of a host animal.

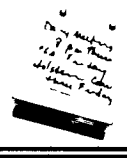
Lyme disease has been frequently diagnosed in horses and has been detected in the urine of dairy cattle.

"It has been shown in dairy cattle that the organism can be passed through the placenta to the unborn calf," said Burgess.

This organism can cause abortion, still births, and birth defects. The symptoms of Lyme disease include lameness (which may be intermittent), poor appetite, and fever. In humans, a rash may be noticeable. If diagnosed in the early stages, the disease can be treated with antibiotics in both humans and livestock.

Vaccines are currently under development, but research is in the early stages. A vaccine is not expected to be available for three to five years, according to Burgess.

Farm Calendar



(Continued from Page A10)

Replacement Nutrition School, Jan. 19 through 26.

Delaware vegetable Growers Annual Meeting, Sheraton Inn, Dover.

Saturday, January 14

Franklin Co. Annual Holstein Meeting, 7:15 p.m. Savoy Restaurant, Waynesboro.

New Jersey Holstein Association Annual Meeting, Watchung View Inn, Bedminster, NJ.

Junior Holstein Convention, Sheraton Inn, Batavia, NY.

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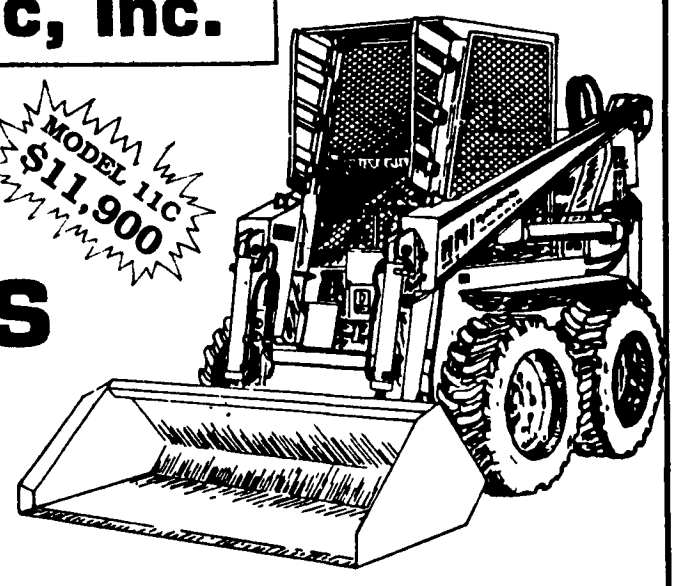

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Scibilia Named

(Continued from Page A1)

Member Relations and Education Linda was responsible for the development and operation of supervisor training programs. She also coordinated the development and printing of educational materials, promotional materials and newsletters for supervisors and members. Linda has a Bachelor of Science degree in Animal Sciences from the University of Maine, and a Master of Science degree in Animal Nutrition from the Pennsylvania State University.

In her new position, Ms. Scibilia will be responsible for the management and operation of the Central Milk Testing Laboratory in State College. The laboratory serves the 6000 members of Pennsylvania DHIA, testing 300,000 milk samples monthly for fat, protein and somatic cell content.

Olympic diving champion Greg Louganis

Louganis Stars For Sauder's Eggs

LANCASTER — Olympic diving champion Greg Louganis was in Lancaster and Mechanicsburg this week to produce a series of TV commercials for Sauder's Eggs of Lititz. The commercials are part of an ambitious promotion program to gain brand recognition for Sauder's, one of the Northeast's largest marketers of eggs.

Paul Sauder, president of the firm, said Louganis is an ideal spokesman for his company. "Greg is articulate, he's knowledgeable about nutrition, he's a great athlete and he ate lots of eggs while he was training for the Olympics.

"Eggs are a wholesome and natural food. A certain amount of medical folklore has cast eggs in the role of cholesterol villain. I think that's unjust, especially with the Sauder's brand of lower cholesterol eggs. Greg is going to help us get our story out to the public."

Sauder said Sauder's Eggs have a cholesterol content of 195 milligrams or less per large white egg. "That's 25 percent lower than the 272-milligrams-per-egg figure used by most nutritionists, doctors and food writers," said Sauder.

By producing eggs that are lower in cholesterol, Sauder said he hopes to recapture some of the consumers who have stayed away from eggs. "The egg is filled with vitamins and minerals. It is the best source of high quality protein available in any food. It's also low in calories and very low in saturated fats, the real cholesterol villain."

Paul Sauder and his brother, Glenn, are the third generation to operate the family-owned firm. Their grandfather began the business in the 1930s by selling Lancaster County poultry and eggs door to door in Philadelphia. Today, nearly all the eggs marketed by the Sauders are still produced in Lancaster County.

The three TV spots featuring Greg Louganis were produced by a team from Mel Horst Advertising Services, Witmer, Pa. One of the spots was shot at the Willow Valley Convention Center just south of Lancaster, while the other two were filmed by cinematographer Joe Cicak at Universal Video in Mechanicsburg. The spots will begin airing in mid-Febuary on stations serving the southcentral Pennsylvania marketplace.

Pesticide License Update Training Meeting Set

NEW HOLLAND (Lancaster) — The Eastern Lancaster County Adult Farmer Program will conduct an update training session for holders of Private Applicator Pesticide Licenses to earn points toward update certification. The meeting will be held on Tuesday evening, January 10, 1989, in the all-purpose room of the Blue Ball Elementary School beginning at 7:30 p.m.

Don Robinson, Adult Farmer instructor, will present instruction that will qualify for 2 core and 2 agronomic crop category credits that most private applicators need for re-certification. In addition to covering material dealing with safety, application, labels, and the laws as required for core credits, he will discuss controlling weeds and insects in field crops such as corn, alfalfa, and soybeans. Discussion will center on hard to control weeds, new materials on the market, and integrated pest management practices that can be used.

All interested persons are invited to attend. Growers should be sure to bring their current license to the meeting. The Blue Ball school is located on Ewell Road, which is one mile east of Blue Ball between routes 23 and 322. For additional information call the Adult Farmer office at 345-4525.

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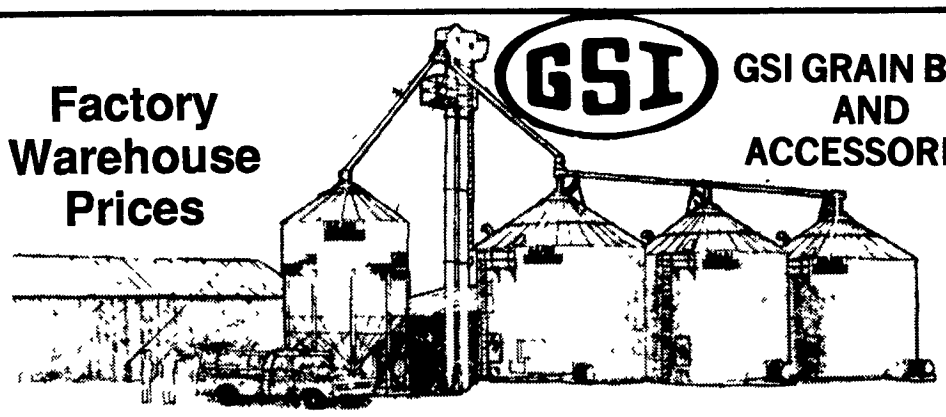

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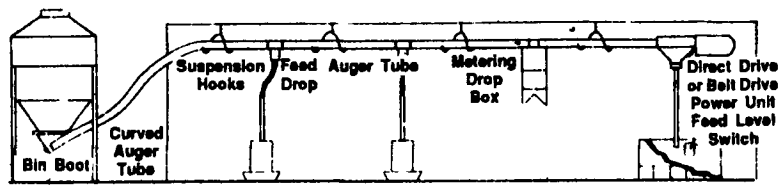

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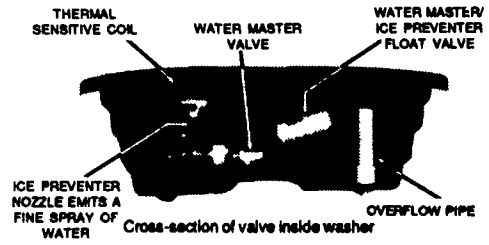
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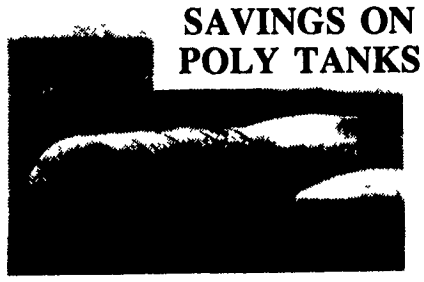

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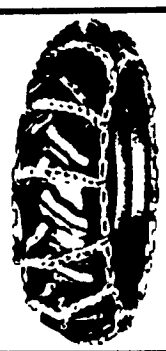

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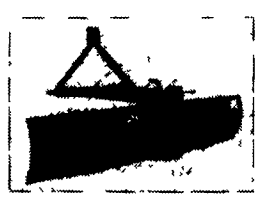

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The Shape Of Things To Come

Farming's Future In Lancaster County

BY PAT PURCELL

LANCASTER — More roads, more houses, more people. High land costs, zoning restrictions, air and water pollution. Labor shortages, manure disposal problems and a growing suburbia.

Will there be any room left for farming in Lancaster County? If so, what kind of farming? Will dairy, swine and poultry operations be replaced by vegetable cropping, Christmas trees or aquaculture farms?

With or without a crystal ball the future is impossible to predict. But all members of the county's farming community agree that changes are a sure bet. Changes which will challenge the best farm managers and financial wizards in the agricultural industry.

"The Future of Lancaster County Agriculture" will bring together farmers, bankers, and educators in the county to discuss some of the challenges which lie ahead for farmers.

The conference is scheduled for Wednesday, January 5, 7:30 to 9:30 p.m. at the Lancaster Farm and Home Center and is free to the public. Contact the Lancaster County Extension Office for more information, (717) 394-6851.

- Ron T. Bailey, the Lancaster County Planning Commission director will start the conference by discussing what effects the county's physical and population changes will have on the agricultural industry. Shifts in the population will mean more changes in the road system and more zoning regulations.
- Ken Rutt, Master Farmer from Quarryville will deal with many sensitive issues many farmers are already confronting. Rutt will discuss high land costs, farmland preservation, air and water pollution, manure/waste disposal, water quality, labor shortage, OSHA and DER regulations and their effect on farming.
- Richard Smith from Lancaster Production Credit will present from the banker's point of view the future of specific farm enterprises in the county such as vegetables, fruit, agronomic crops, aquaculture and also the future of contract farming. Smith discusses the possibility of more horticulture operations, more side businesses and less conventional farming enterprises.
- Fred Seipt, Master Farmer from Montgomery County will focus on changes for the farmer, when and how. Living next door to suburbia, Seipt has dealt with the issues more farmers will be facing soon such as proper manure disposal and complications of increased traffic. Seipt will also discuss a variety of sideline businesses and direct marketing for Christmas trees, pumpkins and also for selling manure.
- Don Robinson, an experienced vocational-agricultural educator from the New Holland area, Robinson will discuss what it will take to be successful in farming in the 1990's and beyond. What size farm, farming enterprises and side busisnesses have the most potential in the county to survive in the '90s and more on direct marketing.

Each 40-minute session will be followed by 10 minutes of questions and answers. The conference will adjourn at 9:30 p.m. followed by light refreshments.

Tobacco Meeting, Show At Farm Center

LANCASTER — A tobacco management meeting will be held on Wednesday, January 4, 1989 at the Lancaster County Farm and Home Center from 11:00 a.m. to 3:15 p.m. The meeting is sponsored by Penn State Extension and will be held in the basement meeting room. All interested tobacco growers are invited to attend.

A variety of interesting topics related to tobacco management will be discussed. Controlling tobacco pests is always a problem, Steve Fisher from FMC and Jeff Middleton from Ciba-Geigy will be discussing the products that FMC and Ciba-Geigy have to assist tobacco growers with the control of the many pests. The Tobacco Outlook-Pa., National, and World will be discussed by Verner Grise, U.S.D.A. Economic Research Service. Mr. Grise traces tobacco markets throughout the world along with monitoring the planting and harvesting of worlds tobacco crops. John Yocum, Penn State Extension will be on the program discussing several topics in tobacco management. Claude McKee, University of Maryland, Tobacco Specialist will be discussing Fertilizer Programs to Improve Tobacco Quality. Claude and John Yocum have been researching the relationship between fertility and tobacco quality for several years and have some interesting data to share with growers.

The program will have pesticide update training credits assigned.

In addition to the Tobacco Management Meeting, the Lancaster County Tobacco Show will be held at the same time. The tobacco show has both Open Classes and FFA Classes for Pennsylvania Type 41 and Pennsylvania Smoking Type Tobacco (Normally referred to as Maryland Tobacco by local growers). Anyone who would like to enter an exhibit in the show should contact Bob Anderson, Lancaster County Extension Office for more details.

Lunch will be on your own at one of the local restaurants from approximately 12:00 to 1:00 p.m. or bring a lunch along.

PDA Licensing Poultry Dealers, Haulers

HARRISBURG — The Pennsylvania Department of Agriculture is now licensing poultry dealers and haulers under a new law designed to prevent the spread of poultry diseases.

State Agriculture Secretary Boyd E. Wolff said today that licenses must be obtained by January 1 in order to comply with provisions of the law signed by Gov. Robert P. Casey on October 23.

The law requires the department to establish and enforce standards of cleanliness for dealers' facilities and vehicles that transport live poultry. Dealers and transporters must also keep records of transactions and the movement of live birds.

Dealers and transporters who have not applied for licenses should contact the department's Bureau of Animal Industry through the toll-free number, 800/AG-PENNA.

The fee is $25 for a poultry dealer's license and $25 for each vehicle or conveyance used in the transportation of live poultry. Out-of-state haulers who transport birds in or out of Pennsylvania are also required to license vehicles.

Dealers are those who buy, receive, sell, exchange or transfer live poultry. Licenses are not required for butchers or processors who receive live poultry for immediate slaughter, since the law's purpose is to curb the spread of disease in live birds, Wolff said.

The term "transporters" is defined as those who use an automobile, truck, trailer, wagon or other vehicle to transport live poultry on public highways in the state. Licenses are not required for a vehicle used exclusively on a farm or on adjoining farms that constitute a single operation.

The term poultry refers to a wide range of birds -- chickens, ducks, geese, turkeys, pigeons, chukars, guineas, exotic fowl and game birds raised in captivity.

"It's the department's obligation to keep Pennsylvania free of poultry diseases in order to protect the consumer and the industry," Wolff said.

Many experts in the poultry industry regard the use of dirty crates and conveyances in moving poultry and unsanitary conditions in dealers' facilities as factors in spreading avian diseases, Wolff said.

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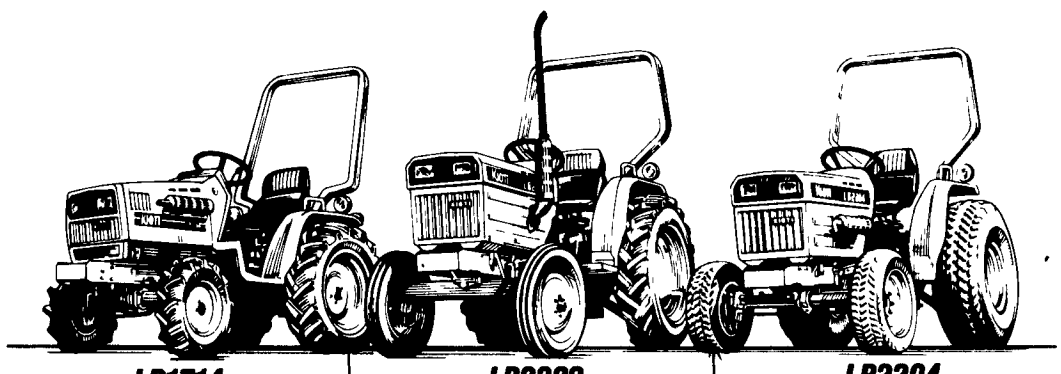

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LB2202
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30 YEARS AGO
THIS WEEK

-The Red Rose D.H.I.A. September testing results were reported today by the association. The two highest 305 day lactations were completed by Registered Holsteins, both owned by Parke H. Ranck, Ronks RD1.

First was "Maggie" with the record of 18.521 lbs. of milk and 819 lbs. of butterfat. Second was "Joyce2," with the record of 19,894 lbs. of milk and 809 lbs. of butterfat.

-The purebred dairy herd of Masonic Homes Farms, Elizabethtown, PA, has recently completed its 32nd year of Ayrshire Herd Testing with 105 cows making an average of 9,592 pounds of milk and 412 pounds of butterfat on twice-a-day milking, actual production.

-The Lancaster County 4-H tobacco and corn round-up will be Tuesday afternoon at the Bayuk Cigar Company warehouse, 850 N. Water St., Lancaster, Winthrop Merriam, assistant county agent reports.

-Lancaster County's Soil Conservation District completed 1958 with a total of 1,702 conservation cooperators, an increase of 98 for 1957. The 98 district-cooperator agreements signed during '58 brought 7,081 more acres of county crop land under SCD practices. With 1,248 acres in 19 new cooperators' farm, East Earl Township, led the local area parade for the year.

...Following the annual reports and closing of 1958 business, all district officers were unanimously reelected to their posts.

Amos H. Funk, Millersville RD1, was returned for his seventh term as district chairman.

Wayne B. Rentschler, Lampeter, who has served as secretary-treasurer for the district since its organization in 1950, and Henry Hackman, Manheim RD2, vice-chairman since 1952, were returned to office to serve for 1959.

Producers Better Off To Market Hogs At Lighter Weight

DES MOINES, IA. — What weight to market hogs? It's a question that has been popping up lately as prices are under great pressure.

University of Missouri Ag Economist Glenn Grimes says that barrow and gilt weights at the seven major markets show a record weight increase of one percent over a year ago. For example, the estimated weight increase of barrows and gilts for the month of November was 254.5 pounds. Last year the average November weight was 253 pounds.

According to Grimes there are a number of disadvantages to selling hogs at heavier weights. Feed efficiency becomes slightly less when producers allow their hogs to reach the 230 pound area. It takes more pounds of feed to put on a pound of gain. Depending on the type of hog, some may have to go above the 250 pound range before inefficiencies of significant magnitude occur, but some hogs become inefficient just above the 200 pound area.

Grimes, who also is a market consultant for the National Pork Producers Council, added that some of today's 250 pound hogs may have the breeding in them to be fed to that weight and retain good quality, however most of them will be too fat at that point. Generally, hogs that weigh over 250 pounds are too fat to provide the lean pork the industry needs to continue producing if the consumer demand which has developed during the last couple of years is to continue.

Grimes said, if producers take ten pounds off the weight of their 250 pound hogs, under present market conditions it could add anywhere between three and four dollars per hundred weight to the average price that producers would get. At the same time it would improve the quality of the product. Grimes said that lowering market hog weights will adjust the present supply so that is more in line with consumer demand. That should also improve the price producers get for their hogs.

White-New Idea Names Product Manager

COLDWATER, OHIO — Effective immediately, White-New Idea has named Loren Gutwein as product manager for White Farm Equipment lines of planters and tillage equipment at their corporate headquarters in Coldwater, Ohio. Gutwein is also responsible for compact tractor implements and White loaders.

Previously, Gutwein has held the position as Market Analyst for White-New Idea. He joined White Farm Equipment in 1985.

Gutwein holds a Bachelor of Science Degree in .Agriculture from Purdue University.

The White-New Idea Farm Equipment Division of Allied Products Corporation is a major manufacturer and distributor of three major product lines with over 1500 dealers in North America. The White Farm Equipment line includes tractors, planters, tillage equipment and compact tractors and implements. The New Idea Farm Equipment line includes spreaders, planters, hay tools, and self-propelled harvesting equipment. The Ag ONE line includes parts and supplies available to the White and New Idea dealers.

B. Oldham Tobacco Company

Formerly E.J. Parker Tobacco

We would like to have you as our customer. We are paying top prices. We will be receiving tobacco Mondays, Tuesdays, & Fridays of each & every week at our new Quarryville location - 3/10 mile north of Main St. on North Lime St. (Old trailer mfg. building.) and also Wednesdays & Thursdays of each week at Garden Spot Tobacco Warehouse. You farmers are doing a great job with your tobacco. If you would like to sell your tobacco or have any questions please call!

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Thank you, Ron Bowen

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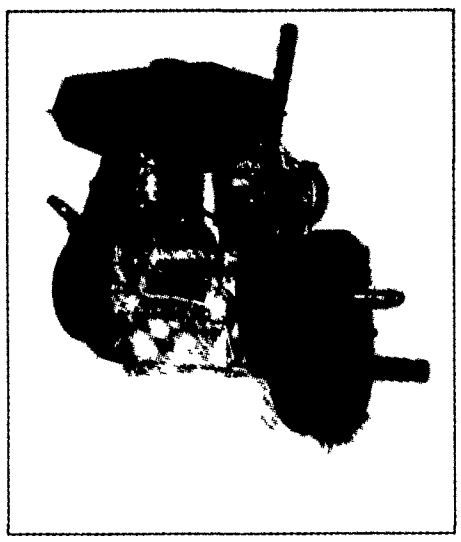

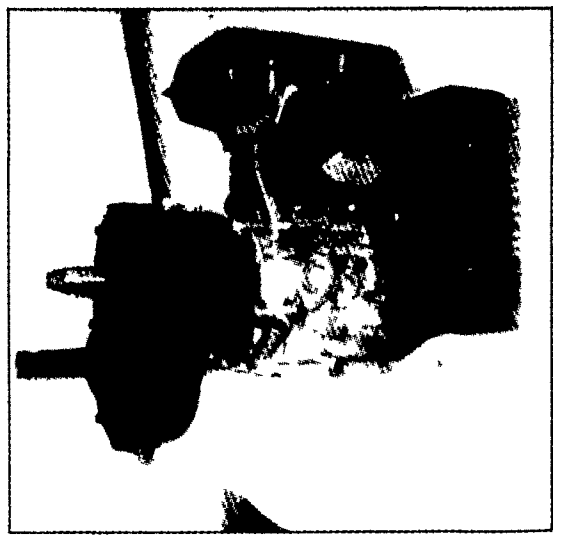

Specially designed shaft to power hydraulic pumps, etc.

This unit is basically designed to transmit power from engine to power take off shaft equipment. The reason for this design, an extra shaft is built into this unit so power can be transmitted to the hydraulic system by using belts and pulleys. This shaft is placed above the splined shaft, and runs hydraulic pump with or without power take off shaft in gear. No need to take the rope rewind starter off to mount pulley on front of the engine. This simple design eliminates special machined pulley adaptors. Reduction housing and cover is a rugged cast iron construction. All shafts are of special selected steels and are heat treated and hardened at wear points. All ball and needle bearing construction for long life. A heavy-duty ball-loc type clutch is used. This unit has few moving parts, thus it should give many years of service. Clutch adjustments are made from the outside, (very simple).

A specially selected engine, the Kawasaki KF-82 8½ HP, is used for your convenience. The engine is also made with rugged construction, and has smooth operation. This engine has high torque at low RPMs, thus is well adapted to the clutch and reduction unit.

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Chester Twp. Ordinance

(Continued from Page A1)

surface waters, covenants and easements, public open spaces, utilities and historic/ archaeological resources, but also these resources were analyzed according to land use. For example: soils were rated according to their use for agriculture, for on-site sewage systems and for their adaptability to homes with or without basements. They even brought the Pennsylvania Scenic River Act into play for the lands along Brandywine Creek and the Buck and Doe Runs.

After the natural resource study was completed, the land area that supported each component was grafted onto a color coded overlay township map. And each natural resource component was rated according to severe development constraints or marginal development constraints. Since most good farmland tends to have few prohibitive limitations for development, the local officials took deliberate steps to steer future development elsewhere. They arbitrarily plotted the top three classes of prime farmland as "marginally-suitable" for development purposes. Thus, one of the first objectives of the citizens to retain the rural/agricultural character of the township was met.

In addition, the new zoning ordinance encourages agriculture and related businesses. In the Agricultural/Conservation Zone, prime farmland is listed as one of the "sensitive--important natural features". And because of the importance of farming placed on the zone by the supervisors, the ordinance states under Article 2, Section 200 that a wide range of agricultural uses and activities will be permitted as a means of strengthening the township's agricultural economy. While intensive agricultural operations will be subject to specific design and performance criteria, these measures are aimed at enhancing compatibility. According to the ordinance future inhabitants of this Zone must be willing to accept the impacts of normal farming practices and farm-related businesses.

After detailed specifications—specifications "dirt farmers" can live with—the section concludes with this agricultural nuisance disclaimer: "All lands within the Agricultural/Conservation Zone are located within an area where land is used for commercial agricultural production. Owners, residents and other users of this property may be subjected to inconvenience, discomfort and the possibility of injury to property and health arising from normal and accepted agricultural practices and operations including but not limited to noise, odors, dust, the operation of machinery of any kind including aircraft, the storage and disposal of manure, and the application of fertilizers, soil amendments, herbicides and pesticides.

"Owners, residents and users of this property should be prepared to accept such normal agricultural operations, and are hereby put on official notice that Section 4 of the Pennsylvania Act 133 of 1982 'The Right to Farm Law' may bar them from obtaining a legal judgement against such normal agricultural operations."

"This zoning ordinance is not overly restrictive to prohibit development," Martin said. "It's just reasonable and logical to protect valuable resources. And farmland is one of those valuable resources.

One method used to help protect these resources is to require the developer to engage in a special planning process at sites where unique resources are believed to exist. If special resources are discovered they are thus recorded so they can be preserved or discarded according to their importance. This feature is incorporated into every resource area covered by the ordinance.

According to Martin, the basis for the reversed approach to West Marlborough township's zoning lies in the constitutional right to protect natural resources.

"The law behind this protection is self-enacting," Martin said. "That means you don't need enabling leglislation. Therefore, a lawyer who argues a case in court can raise the issue of the protection of natural resources as a basis for municipial or private action."

This Pennsylvania law is rather unique amoung states.

One of the startling discoveries made during the research part of the zoning plan was that the area that had been thought of as prime for development really has stringent limitations for such action when rated according to the new criteria. The land that sticks down like a tail toward the Route 1 bypass has been found to be one of the most fragile geological areas in the township.

"We found that you absolutely can not allow intensive development to occur in this lower corridor because of the presence of an exceptional value water shed," Brosius said. "The Enviornmental Protection Agency will not allow water quality to be degraded in this type of a quality water area."

Some citizens have expressed misgivings about handing over the whole township's future to a series of over-lays on a comprehensive township map. Yet the dissent has been mild, and Martin believes the ordinance will become the example for other municipalities to follow.

"In my opinion the ordinance will have a significant impact on the protection of agriculture in our township", Martin said. "In the past, most zoning has been backward--the metaphysical concept. You parcel up the township in sections and then if you find in the development section slopes unsuitable you just don't let them develop there. But what we've done is taken the whole township and looked at it's inherent constraints and determined where development would be possible.

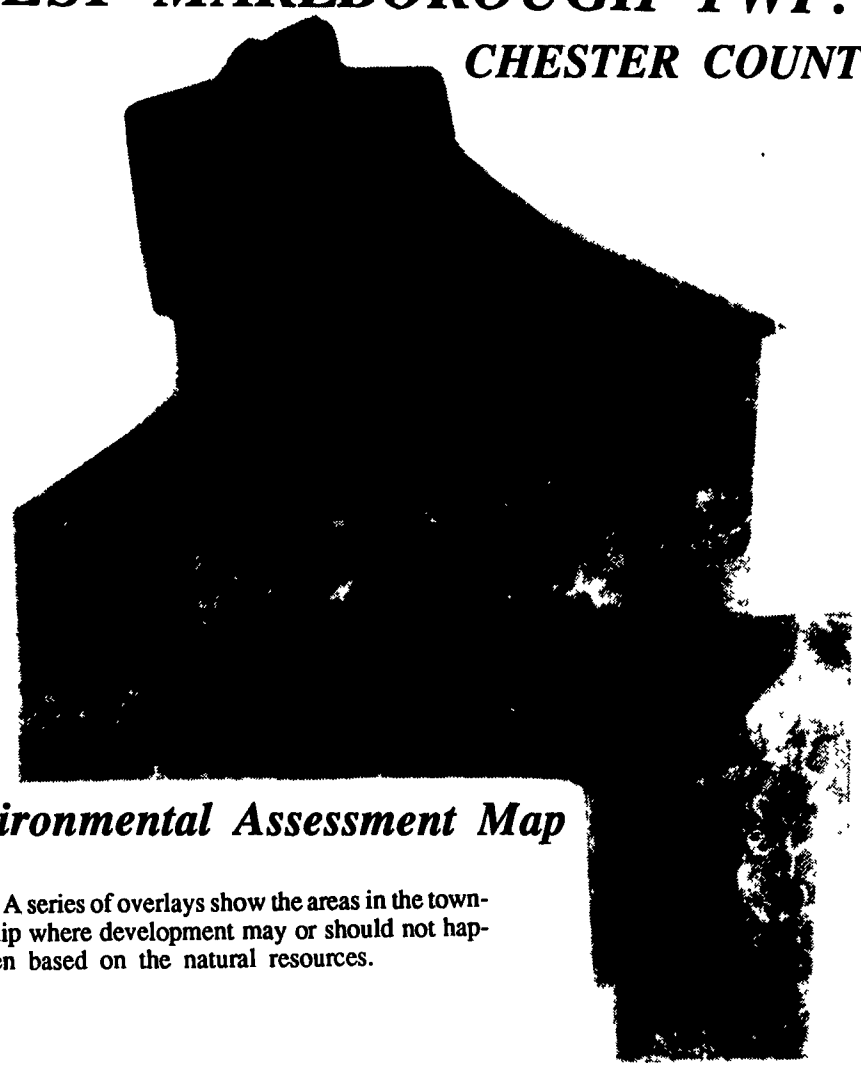
"I believe this unique approach will effectively preserve farmland in West Marlborough Township. When worked together with the new ag security area that has 4,000 acres in the township ready to be committed and is part of the new state agricultural farmland preservation law, the large open spaces with thriving farm estates should have a favorable environment to survive for many years in the future."

Roth thinks what many municipalities do to save farmland is not enough to stand the test of legal, practical or public opinion pressures along the way. "But when you put natural resource protection along with what you do for farmland you gain a more effective and a more practical preservation program," Roth said.

Martin agrees. "While this township may have unique historic and natural resources, their new zoneing plan could help any municipality or group of citizens who have a desire to preserve farmland at the local level. I believe this type of zoning approach can help preserve farmland anywhere."

WEST MARLBOROUGH TWP.

CHESTER COUNTY, PA



Environmental Assessment Map

A series of overlays show the areas in the township where development may or should not happen based on the natural resources.

NAAB Honors Koons

De FOREST, WI — Donald Koons of Waynesboro, Pa., has recently been recognized by the National Association of Animal Breeders (NAAB) for having artificially inseminated more than 100,000 cows.

Koons began his A.I. career in 1950, joining American Breeders Service (ABS) in 1963. Two of his sons work in the business with him. Since he began breeding cows, he estimates he has driven over 2 million miles reaching his customers.

Koons, and his wife, Shirley, have eight children and seven grandchildren. Koons is a member of the Waynesboro Area Young Farmers Association.

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Lebanon County 4-H Winter Roundup Nets Nearly $27,000

BY LISA RISSER

LEBANON — After hours of competition, Jason Krall won his first championship. His light heavyweight, crossbred barrow was judged the best hog out of more than 100 at the 1988 4-H Winter Roundup Show and Sale this week.

The 14-year-old son of Glen and Linda Krall of Lebanon, Jason later sold his prize-winning, 228-pound hog to Carlos R. Leffler for $3.70 per pound.

Top titles in the market lamb competition went to 17-year-old Daryl Grumbine. The champion, a homebred Dorset-Suffolk wether, earlier had won the mediumweight division over Grumbine's other mediumweight lamb. The second-place animal was a purebred Dorset wether weighing in at 105 pounds. Both animals came out of the Lebanon County's Youth To Youth Sale, held earlier this year.

Grumbine, the son of Dennis and Barb Grumbine of Lebanon, sold his 98-pound champion for $3.10 per pound to Lebanon Valley National Bank.

Baby, a 1,205-pound Angus-Simmental cross, claimed the champion title at the Roundup's beef show. The steer was owned by 13-year-old Shelby Heagy, the daughter of Pat Heagy of Lebanon. Baby was sold to Dutchway Farm Market for $1.05 per pound.

The sale brought in a total of $26,854. The average price per steer was $1 per pound, the average price per lamb was $1.75 per pound, and the average price per hog was $.83.

Buyers at the roundup were Lebanon Valley Auction Co., Harry Bachman, Evergreen Tractor, D.L. Grumbine & Sons, Risser's Restaurant, Fern and Roger Kirst, Richard Kreider of Pioneer Seeds, Farm Credit, Risser's Hog Farm, Duchway Farm Market, Con-Gers Farm, Water Harnish, Harnish Farms, Mi-le Holsteins, Atkins kids, Arnold Hog Farms, Mark Hershey Feeds, Fox's Farm Market, People's National Bank, Valley View Poultry Farm, Lehmans Grave Excavation, White Oak Mills, Hatfield Packing, Farmer Boy Ag, Lebanon Valley Electric, George Christiansen, Carlos R. Leffler, Blue Mountain View Farms, Agway Home & Farm Center, Starner Grocery, Lebanon Valley National Bank, K&K Feeds, Krall's Welding, John LeFever, Hotel Hershey, Glenn Krall family, Balsbaugh Insurance, Kutztown Bologna, Bumberger's Mills, Ebersole Oldsmobile Pontiac.

Shelby Heagy, right, sold her prize-winning steer to Dutchway Farm Market, represented here by David Martin who is holding son Kent.

Lebanon Valley National Bank bid the top price of $3.10 for Daryl Grumbine's grand champion market lamb. Pictured from left are: Sean McKinney, Bob Donaldson, and Mike Firestine, all from LVNB, Margeaux Firestine, and Daryl Grumbine.

Robert Becker, right, of Carlos Leffler, purchased Jason Krall's champion market hog for $3.70 per pound.

BEEF

Lightweight
Katie LeFever
Mediumweight
Shelby Heagy
Heavyweight
Kelly Bachman
Grand Champion
Shelby Heagy
Reserve Grand Champion
Kelly Bachman
Champion Showman
Kelly Bachman
Reserve Champion Showman
Katie LeFever

MARKET LAMBS

Lightweight
1. Daryl Grumbine, 2. Darren Grumbine, 3. Darren Grumbine
Mediumweight
1 Daryl Grumbine, 2. Daryl Grumbine, 3. Darren Grumbine
Heavyweight
1. Alice Smith, 2. Alice Smith, 3. Alice Smith
Grand Champion
Daryl Grumbine
Reserve Grand Champion
Daryl Grumbine
Champion Showman
Daryl Grumbine

MARKET HOGS

Lightweight
Class 1
1. Roxanne Kirst, 2. Eric Hoover, 3. Jay Kleinfelter
Class 2
1. Jay Kleinfelter, 2. Roxanne Kirst, 3. Wendy Atkins
Class 3
1. Wendy Atkins, 2. Stacy Krall, 3. Jay Kleinfelter
Class 4
1. Rodney Bomgardner, 2 Jeff Bomgardner, 3 Justin Lehman
Class 5
1. Shelby Heagy, 2. Chris Kirst, 3 Mike Kleinfelter
Champion Lightweight
Shelby Heagy
Reserve Champion Lightweight
Rodney Bomgardner
Mediumweight
Class 6
1. Wade Gray, 2. Rodney Bomgardner, 3. Darren Grumbine
Class 7
1. Tony Ebling, 2. Scott Grubb, 3. Dan Atkins
Class 8
1. Mark Simmon, 2. Rodney Bomgardner, 3. Greg Bomgardner
Class 9
1. Wendy Atkins, 2. Tony Ebling, 3. Katie LeFever
Class 10
1. Todd Balsbaugh, 2. Kara Arnold, 3. Jeff Bomgardner
Class 11
1. John Risser, 2. Kathy Bomgardner, 3. Don Kleinfelter
Champion Mediumweight
Todd Balsbaugh
Reserve Champion Mediumweight
Mark Simmon
Light Heavyweight
Class 12
1. Jeff Bomgardner, 2. Shelby Heagy, 3. Laura Arnold
Class 13
1. Darren Grumbine, 2. Stacy Krall, 3 Chris Kirst
Class 14
1. Chris Kirst, 2. Shelby Heagy, 3. Josh Arnold
Class 15
1. Mark Simmon, 2. Katie LeFever, 3 Kathy Bomgardner
Class 16
1. Jason Krall, 2. Daryl Bomgardner, 3. Mark Simmon
Class 17
1. Jamie Risser, 2. Daryl Bomgardner, 3. Jason Krall
Champion Light Heavyweight
Jason Krall
Reserve Champion Light Heavyweight
Jeff Bomgardner
Heavyweight
Class 18
1. Katie LeFever, 2. Tony Ebling, 3. Daryl Grumbine
Class 19
1. Shelby Heagy, 2. Rodney Bomgardner, 3. Jay Kleinfelter
Class 20
1. Greg Bomgardner, 2. Eric Hoover, 3.

(Turn to Page A42)

Livestock Ledger

By

Chester D. Hughes

Extension Livestock Specialist

Looking Ahead To 1989!

Feedlot Heifers

Properly managed, heifers may offer more profit potential to the cattle feeder than steers. Historically, heifer feeder calves are discounted rather heavily compared to steers, yet the price spread on finished cattle is much less between sexes. One of the obvious reasons feeders have avoided heifers is the problems caused by their estrous cycle. Dr. Harold Harpster, professor of animal science at Penn State University reports that, while there are no precise figures, there's no doubt that performance is adversely affected when animals are riding each other, disrupting the feeding activity of all the animals in the pen.

For years, a very effective feed additive has been available that keeps the feedlot heifers from coming into heat. The product is melengestrol acetate (MGA) and it not only suppresses estrous but also improves gain and feed efficiency. Until recently, however, a cattle feeder had to choose between the MGA and one of the popular "ionophores" Rumensin or Bovatec. It was not legal to feed both, and many feeders decided to take the feed efficiency and coccidiosis protection offered by the latter. Now, however, it is legal to feed a combination of MGA and one of the ionophores. If you do feed heifers, consider including these highly effective feed additives in your rations. Heifers will not display heat, will gain faster and more efficiently, and will usually be protected from coccidiosis.

Cattle Feeder's Meeting

Lancaster County Cattle Feeder's Day will be held at the Lancaster Farm and Home Center on Tuesday, January 31, 1989 beginning with a trade show that opens at 8:30 a.m. The educational program begins at 9:30 a.m. and will be highlighted by the following topics: 1989 Cattle Feeder Economics, Receiving Programs for Feeder Cattle, Feeding Dairy Beef, Writing Custom Feeding Contracts and Producing and Marketing Kosher Beef. The Pennsylvania Beef Council's new director, Dave Ivan will address the meeting with an update on council activities. Speakers that have already committed to the Lancaster Cattle Feeder's Day include from Penn State University, Dr. John Comerford, Extension Beef Specialist; H. Louis Moore, Extension Ag Economist; and Dr. Tom Drake, Extension Veterinarian. Bob Loeb from Moyer Packing will address the Kosher Beef issue. Additional speakers and topics will be added to the program. Watch for these additional issues in an upcoming news release. Plan on attending the Lancaster Cattle Feeder's Day!

Keeping Pigs Comfortable

The environment inside a hog house is the product of several components. No matter what the cause, a cool environment will stress pigs, leading to poor performance and possible disease problems. Air temperature is the easiest indicator of pig comfort to measure by using a thermometer. The temperature reading alone does not give an accurate reflection of the effective environmental temperature, which is sensed by the pigs. The speed of air movements, heat loss from the buildings and the level of feeding must be considered when assessing pig comfort.

In a well-insulated building, with a one-foot-per-second draft, a feeder pig feels 15 degrees cooler than the air temperature. Concrete slotted floors lower this figure another 10 degrees, while straw bedding can raise the effective environmental temperature 7 degrees. Pigs that we limit-fed feel the effects of these factors more dramatically than full-fed pigs. A draft of one-foot-per-second will often go unnoticed by people. Frequently, chilled pigs will pile up to stay warm or change location of their sleeping area. During cold weather, watch pigs for behavorial changes that signal discomfort.

It is a temptation for pork producers to restrict air exchange to minimize drafts. Dr. Matt Parsons, Swine Consultant from Hadley, Massachusetts reminds swine producers that air exchange is necessary to provide fresh air, and remove humidity and airborne dust, bacteria and viruses. The risk of disease outbreaks greatly increases without proper ventilation and high humidity will shorten the life of confinement buildings.

Lanchester Pork Day

The 1989 Lanchester Pork Day will be held on Tuesday, January 24 in New Holland at the new building adjacent to the well known New Holland Sales Stables. The day begins at 8:30 a.m. with commercial exhibit visitation and the educational program starts at 9:30 a.m. with a discussion on "Protecting Profits in Pork Production." Dr. Ken Kephart, Penn State Extension Swine Specialist and Dr. Dan Myer, Penn State Extension Ag Engineer will be on hand to handle various topics, as well as, Dr. Matt Parsons, swine consultant from Hadley, Massachusetts.

Featured topics will include: Today's Feeding Considerations, Protecting Yourself in Swine Buildings, Animal Welfare Issues for Swine Producers, Hatfield's New Grading System, Molds and Mycotoxins, and Update on Growth Agents. The day will be a great opportunity for swine producers to become more knowledgeable about today's pork production issues. Hope to see you there!

The Cooperative Extension is an affirmative action, equal opportunity educational institution.

A Happy and Most Prosperous New Year to the many producers of beef, swine and horses!

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ADDRESS_____

CITY_____

STATE_____ ZIP_____

PHONE_____

TYPE OF FARM_____

NO. OF ACRES HARVESTED PER YEAR_____

Lebanon County 4-H

(Continued from Page A40)

Kara Arnold

Class 21

1. Josh Arnold, 2. Chris Kirst, 3 John Risser

Class 22

1. Josh Arnold, 2. Brian Kreider, 3 Jenny Arnold

Class 23

1. Todd Balsbaugh, 2. John Risser, 3 Kara Arnold

Champion Heavyweight
Todd Balsbaugh
Reserve Champion Heavyweight
Greg Bomgardner
Grand Champion Hog
Jason Krall
Reserve Grand Champion Hog
Todd Balsbaugh
SHOWMANSHIP, FITTING

Class 1

1 Daryl Grumbine, 2. Rodney Bomgardner, 3 Eric Harnish

Class 2

1 Chris Kirst, 2. Todd Balsbaugh, 3. Jay Kleinfelter

Class 3

1. Darren Grumbine, 2. Brian Kreider, 3. Amy Harnish

Class 4

1. Roxanne Kirst, 2. Jamie Risser, 3. Kara Arnold

Class 5

1. Justin Lehman, 2. Jon Harnish, 3. Wendy Atkins

Champion
Daryl Grumbine
Reserve Champion
Roxanne Kirst

Powell Assumes World Simmental Federation Post

BOZEMAN, MT. — Lloyd Powell of Kirkland, Wash., has been elected to the position of senior vice-president of the World Simmental Federation. Powell, currently a member of the American Simmental Association Board of Trustees and a past Board Chairman, was named during the WSF World Congress, held recently in Munich, West Germany.

Dr. Otmar Foger, director of the Austrian Flechvieh Society, was elected to the President's position, and Dr. Peter Massman, director of the South African Simmental Society, was named junior vice president.

Powell, who recently concluded a two year term as WSF junior vice president, is a 1955 graduate of the University of Oregon. He is the president and chief executive officer of Lloyd Powell & Associates and maintains a Simmental-Simbrah cattle operation near Bend, Ore. He's a member of the ASA Publications Board and also serves as a Trustee for the University of Oregon.

Powell sees a couple of immediate goals that need to be addressed during his term in office. "To embrace more countries in the World Simmental Federation", he said. "And secondly, to provide more services to our members, which in turn would give the WSF increased credibility, status, and usefulness."

The 1990 WSF Congress will be held in Switzerland, while the 1992 Congress will be held for the first time in the United States. The Dallas-Fort Worth area has been designated as the location for the U.S. meeting.

There are nineteen member nations representing five continents in the World Simmental Federation, including the United States, Canada, Argentina, Brazil, Australia, New Zealand, South Africa, Zimbabwe, Austria, France, West Germany, Hungary, Ireland, Italy, Sweden, Switzerland, United Kingdom, and Yugoslavia.

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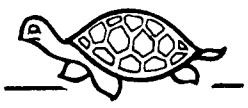

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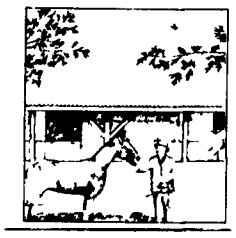

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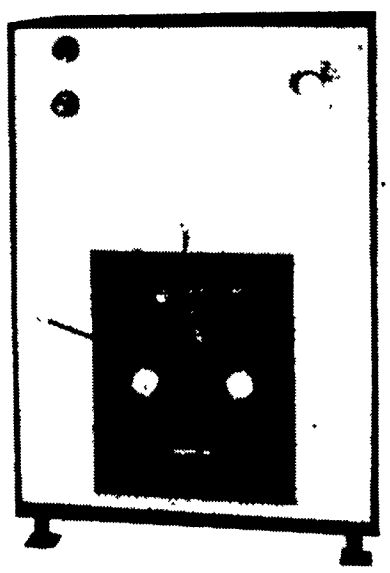

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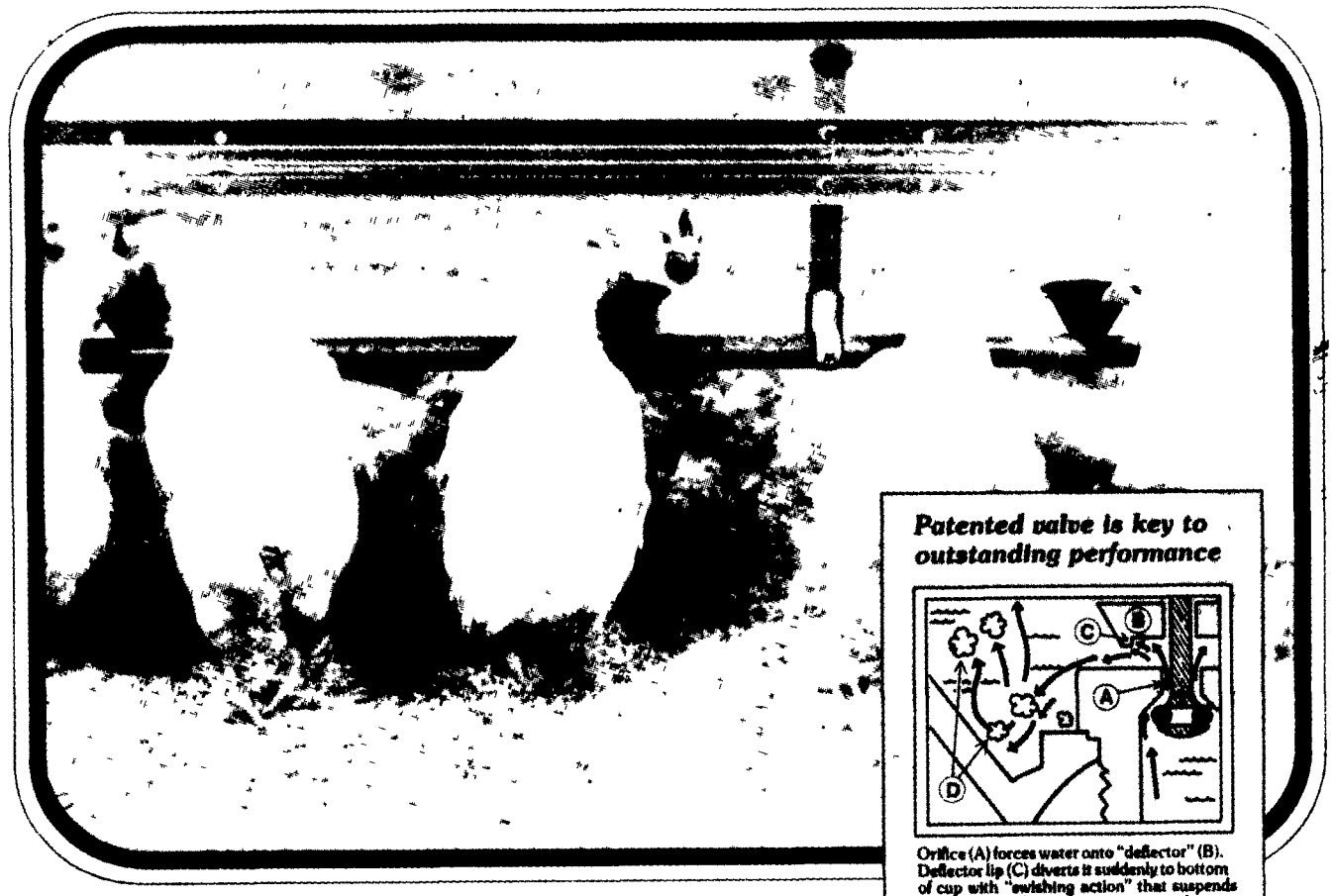

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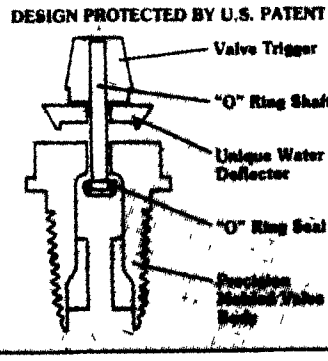

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3. Other cups don't offer the unique "swishing action" ours do. So feed can accumulate and get other brands of cups dirty and packed with stale feed. Birds just naturally prefer a clean cup.

(See illustration in box at right for how our cup was designed to be the only self-cleaning cup available today.)

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MAMMA Reorganizes

(Continued from Page A1)

Fewer farmers mean less milk and that means dwindling contributions. MAMMA is not only faced with a shrinking budget, but also as much as a 15 percent increase in advertising costs each year. To top it off the competition for the consumer's dollar in the food marketplace has become fierce.

But MAMMA has found a way to cash in on its product's healthy reputation. The association has found other food manufacturing companies who are eager to have their products associated with milk. The results have been healthy, too. These companies have picked up the tab for as much as one half the advertising expenses.

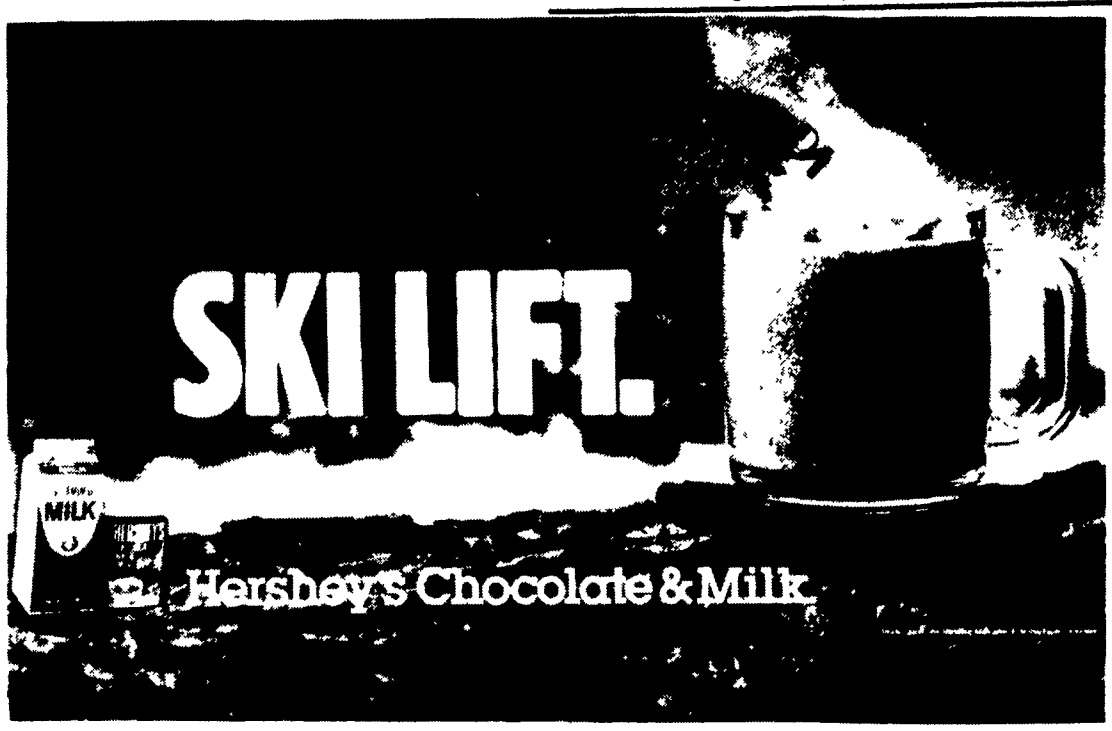
Last year MAMMA jointly advertised milk with cookies. It proved successful and MAMMA this year is expanding the project to manufacturers of other foods which are either made with milk or accompanied by milk. This year MAMMA and Hershey's have joined together to promote hot chocolate and more projects such as this one are in the works to enhance MAMMA's revenues and consumer impact.

MAMMA will no longer be regulated by Federal Order regulations, but the association will remain committed to the milk producers of Federal Order #4 and see that their promotional dollars follow milk to its market area. MAMMA is committed to spend milk producers' advertising dollars where they will do the most good: where the milk is sold and consumed.

MAMMA's milk producers come from a large area covering parts of Pennsylvania, Maryland, West Virginia, Virginia, New Jersey and Delaware. But MAMMA's marketing area is concentrated in a small area along the East Coast corridor which includes Philadelphia, Baltimore and Washington, D.C. This small area accounts for the majority of MAMMA's sales which is why MAMMA concentrates most of its advertising in this densely populated area.

MAMMA remains a member of United Dairy Industry Association which includes the National Dairy Council, Dairy Research Inc., and the American Dairy Association. MAMMA will continue to implement UDIA's dairy marketing and education programs with food retailers, brokers and distributors, and food service operators.

As a result of the reorganization, MAMMA will be more competitive with the capability to respond quicker to today's fast moving marketplace.



The Middle Atlantic Milk Marketing Asociation and Hershey's Chocolate are about to launch a roadside and slopeside billboard campaign to promote hot chocolate. Colorful billboards of a steaming cup of hot chocolate in a winter setting will soon be up along Mid-Atlantic roadways and at two Pennsylvania ski resorts, Ski Liberty and Ski Roundtop. MAMMA and Hershey's, with the asistance of four local dairies, will be giving away hot chocolate to cold skiers at four daily promotions at the ski resorts. The daily promotions for hot chocolate are scheduled for January 8 and February 5 at Ski Liberty and January 15 and February 12 at Ski Roundtop.

Lancaster County Convention For ASC Held

LANCASTER — Paul B. Kline, a Lititz-area grain producer, has been named recently to the county Agricultural Stabilization and Conservation committee by delegates to the county. ASCS convention, held earlier this month at the Farm and Home Center.

Kline will represent the farmers from the northwest segment of Lancaster County in the administration of ASCS farm programs for a three-year term. He had served on the ASC county and community committees for 15 years prior to 1983 and now replaces his son, Ronald, as vice chairman on the county committee.

Named as the "outstanding cooperator" in 1988 by the Soil Conservation District, Paul has had a tremendous influence in the county on the conservation accomplishments. He has also been instrumental in developing some of the first pipe outlet terraces.

The delegates also elected Jere Swarr, Manheim, and Earl Landis, Manheim, a three-year terms as first and second alternates respectfully, to the county committee with terms beginning January 1, 1989.

Also elected at the convention were officers from among the elected committee members. H. Grant Troop, representing southern Lancaster County, was chosen chairman and Robert E. Martin, representing eastern Lancaster County, will remain as the third regular mmeber.

The County ASCS Committee is responsible for local administration of government farm programs such as Agricultural Conservation Program, Acreage Reduction Program, Dairy Termination Program, Rural Clean Water Program, and Conservation Reserve. The county committee operates under the guidance of the State ASC Committee and applicable federal laws and regulations.

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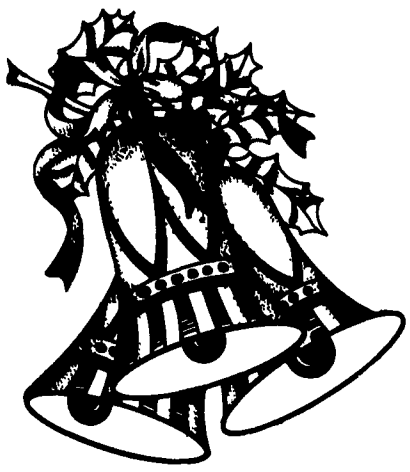

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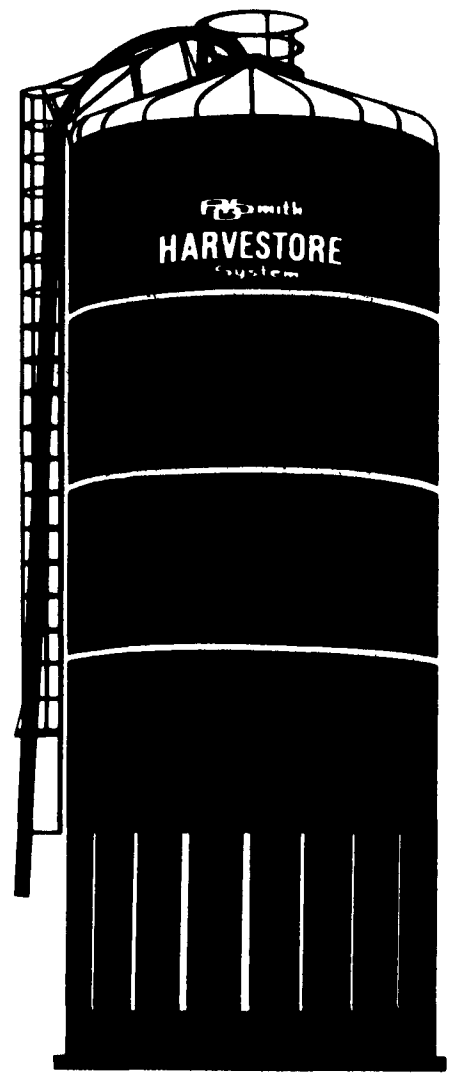

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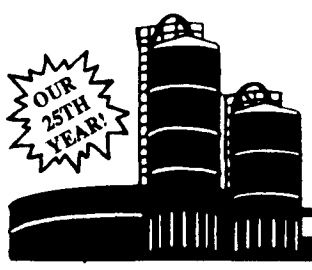

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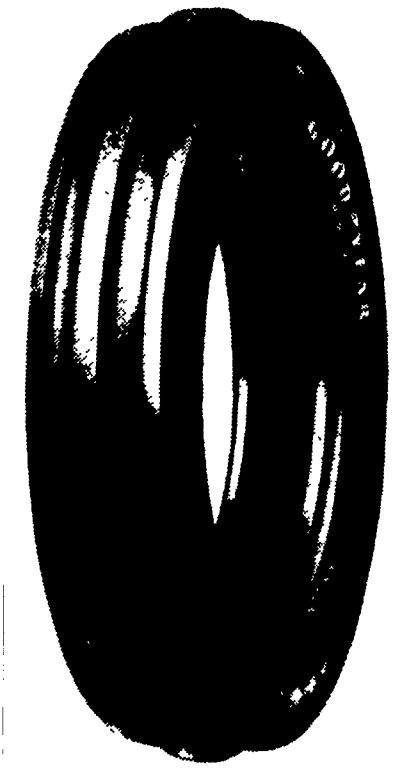

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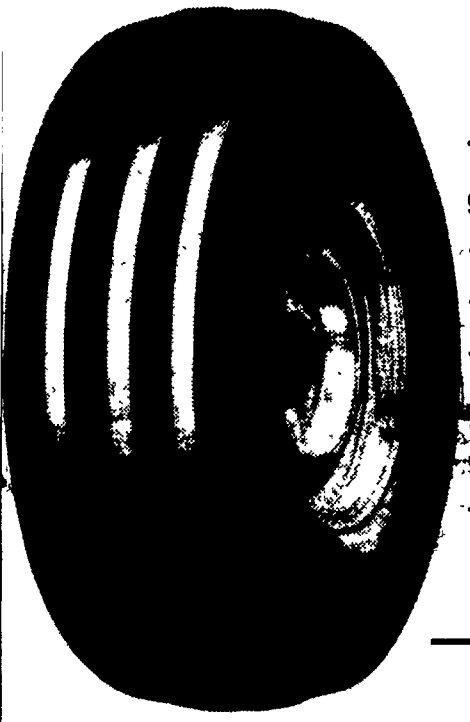

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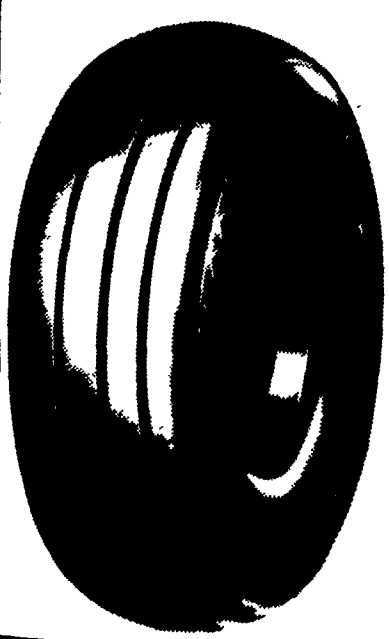
1100-16 6 Ply TT	$95.00
1100-16 8 Ply TT	$99.00



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Fireside Crafts Sparked By Silly Idea

BY LOU ANN GOOD

LITITZ (Lancaster) — Some ideas seem too ridiculous to pursue. Some are so silly they provide everyone with a good laugh.

Paul Graybill believed that he had such an idea about 15 years ago. He and his wife, Grace, who reside in Lititz, were traveling to Florida when Paul suggested they open a craft shop.

"I laughed for 17 miles," Grace recalls. "It seemed so ridiculous."

A few months earlier she and her daughter had opened a stand for macrame projects at Root's Market in Manheim. The orders ballooned. Feeling swamped, but indebted to fill orders, Grace tracked down a wholesale macrame yarn shop in Florida.

A few moments after Paul suggested that they opened a craft shop, the Graybills entered the wholesale macrame shop. Grace whispered to her husband, "They probably won't sell wholesale to us if we don't have a shop."

In a hurried discussion, the Graybills decided that perhaps owning a shop was not such a ridiculous idea. After a bit of whispered planning, they decided to set up shop in the barn with an old-fashioned rain barrel by the doorway.

When the salesperson asked for the name of their shop, Grace blurted out, "The Rain Barrel."

The Graybills couldn't wait to return to Lititz and open up shop.

Unfortunately upon close examination, the barn proved unsuitable for their craft shop.

Undaunted, Paul built shelves surrounding the fireplace in the family room. After attaining a zoning change and stacking crafts on the newly built shelves, the Graybills christened their new store, "Fireside Crafts."

Paul said, "People told us our store wouldn't survive because we aren't on a busy street."

They also predicted they wouldn't survive because they had no store or selling experience.

They were wrong.

Grace said, "It grew beyond our expectations."

Today their shop fills five rooms with lots of nooks and crannies and is due for another expansion.

Although macrame was the rage 15 years ago, its popularity began to wane. Over the years they've learned new crafts to keep up with the changing consumer demands.

Baskets, art, pierced lampshades, and tin punching are some favorites. Basket weaving demand forced Paul to give up his fulltime job papering and painting and he now takes charge of the basket department where he dyes the baskets for customers who buy their supplies at their shop.

"Every class we offer in basket making, gets filled," he said as he rearranged the multitude of baskets in all shapes, sizes and colors.

In addition to Grace and Paul working fulltime in the shop, they also employ one full-time and several parttime workers.

Grace, who teaches both finger and brush painting, is self taught. She said, "Before opening the shop, I did do a lot of crafts and worked with church groups to supply craft ideas, but I never thought I could do this as a business."

She constantly purchases additional books to learn new crafts. "I followed the instructions in a book to learn how to do this," she said as she dipped her little finger into the paint and blotted the paint five times in a circle. With her finger, she popped a little yellow center in the middle of the circle and presto—a flower. Deftly she turned her finger this way and that to produce a cascade of flowers. She said, "I've taught thousands of people how to do this."

Adults and children of all ages find finger painting adaptable to decorating on wood, baskets, paper and cloth.

The Graybills admit the shop ties them down a lot, but they make sure they attend the Philadelphia Craft Show for retailers and a few other large ones for wholesalers.

In the beginning, Grace referred to her craft teaching as a hobby. After teaching hundreds of others, she no longer refers to it merely as a hobby, but she never tires of the satisfaction attained by meeting new people.

"I meet the most interesting people," she said. In the beginning, I knew all my customers by name, but now it's grown so much I can't say that."

She tells about the woman who came and talked endlessly. Several times, Grace reminded the woman of her husband waiting in the car. The woman dismissed Grace's concern by saying, "Don't worry. My husband's an angel."

Hours later, the phone rang. It was the woman's husband who said, "When my wife is ready to come home, call me."

Grace chuckles, "Around here it never gets boring."

Classes are by appointment at their shop, 11 W. Lexington Road, Lititz, 17543; (717) 626-6405, and opened every day but Sunday and on Tuesday when they stand at Roots Market in Manheim.

With a warm smile and a calm spirit, Grace Graybill, Lititz, demonstrates the art of painting roses.

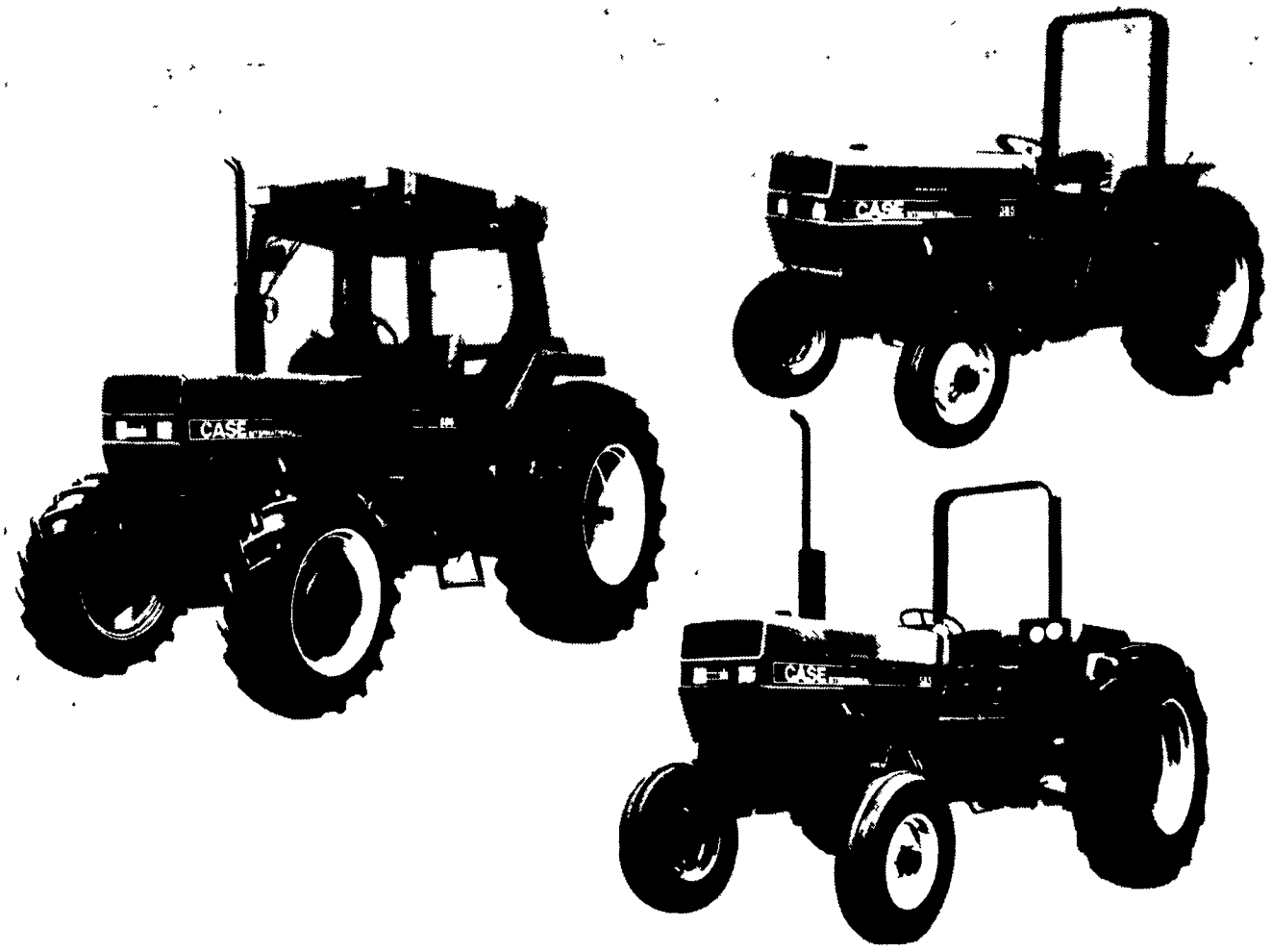
Paul and Grace Graybill kneel by the fireplace that sparked the name for Fireside Crafts of Lititz.

Dottie Bouder, a fulltime employee of Fireside Crafts, demonstrates bow making.

Basket weaving is a favorite among customers at Fireside Crafts. Paul shows a customer the different designs that can be woven in the basket.

Homestead Notes

Best Values in New Equipment



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MICROWAVE MINUTES

By JOYCE BATTCHER

For holiday parties or family snacking there are many ready-made foods to buy and simply micro-heat. But, there are also many homemade party and snack foods that micro-cook quickly.

Today's first recipe, Lemon Chicken Nibbles With Sweet-Sour Sauce, does take awhile to get ready to microwave, but once the preparation is done, cooking is very fast. To save on preparation time, buy skinned boned chicken breasts. (Or if you're lucky, your supermarket will have them ready-cut into chunks.)

Both chicken and the sauce are cooked on High power. It's necessary to give both some attention during microwaving. Stop microwaving chicken after about two-thirds of cooking time to turn over and rearrange pieces — otherwise some pieces will overcook and some remain undone. For the sauce, stop and stir after each minute of cooking — otherwise a big lump of starch will form.

In Zippy Cheese and Shrimp Dip, cream cheese can be softened on High power, but once the other ingredients are added it's best to use a lower power and stir often. The lower power helps prevent shrimp from toughening and the Cheddar and cream cheeses from curdling.

Both recipes can be made ahead. Several hours ahead, prepare the chicken, coat with crumb mixture and arrange pieces on a microwavable plate. Leave uncooked, cover and refrigerate until cooking time. Add about a minute more cooking time. Or, a day ahead, cut chicken and prepare crumb mixture; cover and refrigerate each in separate containers until ready to coat chicken. Cook and refrigerate Sweet-Sour Sauce; reheat before serving.

To make Zippy Cheese and Shrimp Dip ahead, soften cream cheeses and stir in remaining ingredients. Cover and refrigerate until ready to serve. Right before serving, re-heat on Medium power, adding a minute or two of extra time.

Of course, if you really don't want to do a lot of micro-cooking, you could buy some frozen breaded boneless chicken nuggets to heat and serve with the homemade Sweet-Sour Sauce. And you could even buy prepared cheese dip in its own microwavable container!

Chicken Nibbles With Sweet-Sour Sauce

1½-pounds chicken breasts (bone-in, skin-on) or ¾ pound boneless, skinless chicken breasts
6 tablespoons sugar
1½ tablespoons cornstarch
¾ cup chicken broth
6 tablespoons cider vinegar
1½ teaspoons soy sauce
1½ tablespoons catsup
3 tablespoons sugar (optional)
½ cup fine cornflake crumbs
1 teaspoon paprika
2 teaspoons grated fresh lemon peel*
¼ teaspoon pepper*
Green pepper strips

Bone and skin chicken if necessary. Cut into bite-size pieces (about 1 inch each); set aside.

Make sauce in a microwave-safe 1-quart measure. Stir together sugar and cornstarch; gradually stir in chicken broth, vinegar, soy sauce and catsup until smooth. Microwave (High) 4 to 5 minutes, stirring well after each 1½ minutes, until mixture is thick and boiling. Taste and add more sugar as desired. Set aside.

In a small dish, stir together crumbs, paprika, lemon peel and pepper. Dip chicken pieces in crumb mixture, coating all sides well. Place pieces on a microwave-safe serving plate, arranging larger pieces to outside edges of plate. Cover with waxed paper. Microwave (High) 2 minutes. Turn over pieces and rearrange so least-cooked pieces are to outside edges of plate. Re-cover and microwave (High) 1 to 2 minutes or until done. If necessary, re-heat sauce. Pour sauce into small bowl; set in center of plate of chicken. Garnish with green pepper strips. Makes about 48 appetizers.

To double recipe: Double ingredients. Divide chicken between 2 microwave-safe plates; cook each separately as above. Prepare sauce in a 2-quart measure, doubling cooking time and stirring after each 2 minutes of cooking.

* You may substitute ¾ tsp. lemon pepper or a no-salt mixture containing lemon and pepper.

Each serving — 4 pieces and 1½ tablespoons sauce: 67 calories, 6g protein, 0 fat, 10g carbohydrate, 105mg sodium, 18mg cholesterol.

Zippy Cheese and Shrimp Dip

1 package (8 ounces) cream cheese
8 ounces (2 cups) shredded Cheddar cheese
¼ cup white wine or milk
1 can (6 ounces) baby shrimp, drained
1 jar (2 ounces) chopped pimiento
¼-¼ teaspoon hot pepper sauce

Place cream cheese in microwave-safe 2-quart casserole; microwave (High) 30 to 45 seconds. Stir until smooth; stir in remaining ingredients. Microwave on Medium (50% power, 325-350 watts) 3 to 4 minutes or until cheese melts, stirring several times. Serve hot with fresh vegetables, crackers or chips.

Hint: Soften cream cheese and stir in remaining ingredients. Divide into several small microwave-safe serving bowls; cover and refrigerate. Re-heat each separately as needed, on Medium, allowing about 2 minutes per cup of cold dip and stirring twice.

Each serving: 31 calories, 2g protein, 2g fat, 0 carbohydrate, 39mg sodium, 11mg cholesterol.

Questions for Joyce?

Do you have a question about microwave cooking? Send it to Microwave Minutes, % Extra Newspaper Features, P.O. Box 6118, Rochester, MN 55903. Please include a self-addressed, stamped, business-size envelope.

Recipes in this column are tested in 600- and 650-watt microwave ovens. With an oven of different wattage output, timings may need slight adjustment.

Joyce Battcher is an independent home economist microwave specialist. She is author of "Microwave Family Favorites" and editor of "A Batch of Ideas" newsletter.

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Attention: Engaged, Newly Married Couples

YORK — Having a sound financial system in place before or in the beginning of a marriage can save many headaches and heartaches in the future.

You probably have unconsciously developed your feelings about money because of your family's influence, your own personal experience, and what you have read. The same thing is true of your name, so it is very possible that you have come to marriage with "my" feeling and "your" feeling. Now you will want to develop an "our" feeling - if you haven't already.

A series of meetings sponsored by Penn State Cooperative Extension will be held to help you develop and nurture those feelings about money:

Values Clarification and Goal Setting- February 2, 9:30-11:30 a.m. or 7:00-9:00 p.m., Extension Office Meeting Room, 112 Pleasant Acres Road, York, PA.

Establishing a System for Financial Practices (includes record keeping; saving and spending control and practices)- February 9, 9:30-11:30 a.m. or 7:00-9:00 p.m., Extension Office Meeting Room, 112 Pleasant Acres Road, York, PA.

Credit, Building Wealth, Protecting Assets- February 16, 9:30-11:30 a.m. or 7:00-9:00 p.m. Extension Office Meeting Room, 112 Pleasant Acres Road, York.

Since each session builds on the previous, plan to attend all three. Cost $5/couple.

To register for the workshop call 757-9657. Advanced registration is required.

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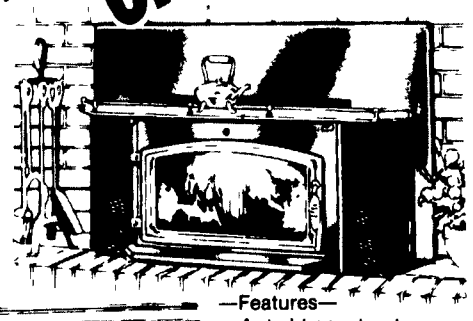

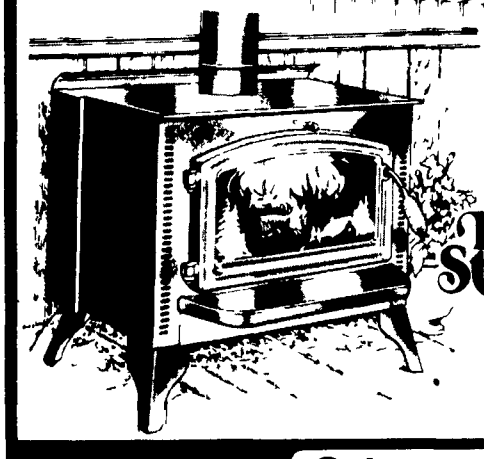

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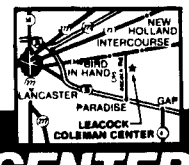

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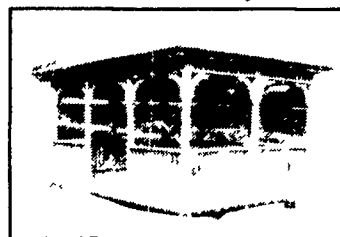
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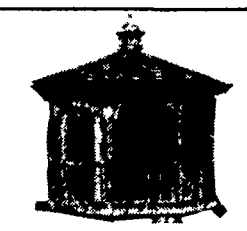
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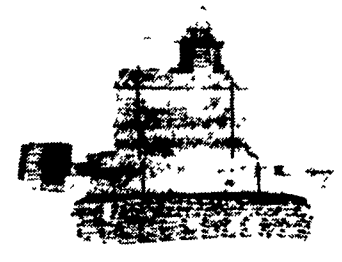

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CARTER 1988

On being a farm wife - And other hazards

Joyce Bupp

New Year's Resolutions — Over Herd

One dark, cold night
In late December
For reason now
I can't remember

I hurried back
Out to the barn
Heard whisperings there
I could have sworn.

Strange mooing sounds,
Like some debate.
I eavesdropped then,
Though it was late.

The time has come
One voice was saying
"For resolutions —
No delaying!"

"Our Farmer's been
Most kind to us.
This year, let's try
To make less fuss."

"Now Wanda, there,
Had best be quick
To settle down
Her foot that kicks."

Wanda nodded
And agreed,
"If Kingpin stops
her snitching feed."

"And I," lowed Boss,
"Will try to place
My tail elsewhere
Than Farmer's face."

Instead I'll aim
To keep it high
When swatting at
A pesty fly."

"I'll not," mooed Prize,
Mess up my udder."
While Josi vowed
To hit the gutter.

A promise next
From herdmate Bows
"I'll watch my step,
Not mash his toes."

Next resolution
Came from Val
(An ornery sort
Of milking cow.)

She guaranteed
To give her all
To promptly find
Her own barn stall.

And other bovines
In this rally
Declared no more
They'd trash the alley.

Then suddenly
When I awoke
I knew the dream
Was but a joke.

Alas! Alack!
My hopes are sinking
Cow resolutions
Are wishful thinking.

Ah, well...
Happy New Year, anyway!

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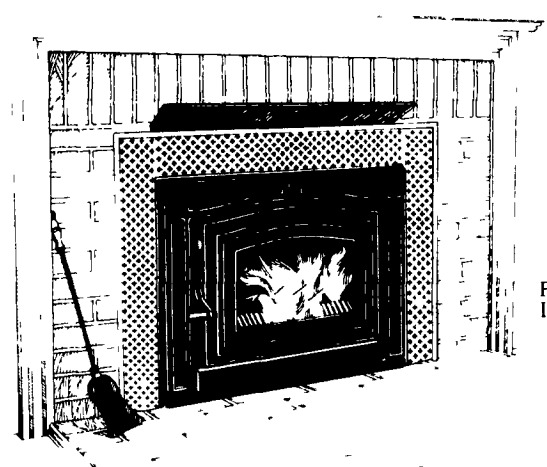

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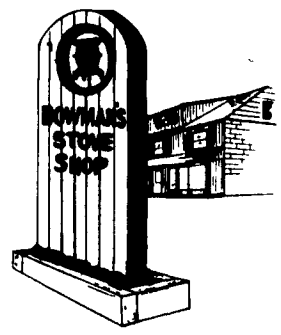

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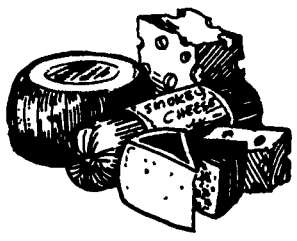

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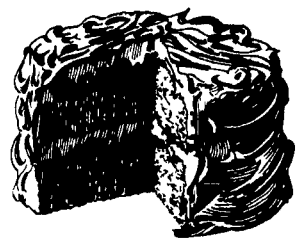

Cooking For A Crowd

BY BONNIE BRECHBILL
Franklin Co. Correspondent

These recipes all come from a cookbook compiled by the Old Order River Brethren. The River Brethren serve a fellowship meal after most Sunday morning worship services; hence the need for many crowd-size recipes.

The meal is simple but filling, and, in our congregation, usually consists of one hot dish, various finger foods such as potato chips or carrot and celery sticks, fruit and dessert. In cold weather, coffee or tea is usually served. The family who sponsors the worship service provides all the food except the dessert; the other sisters bring in a pie or cake or cookies -- whatever the host family plans.

In our congregation, a Sunday service -- called "meeting" -- may include 80-250 people, depending on which districts are worshipping together that particular day. We serve the meal cafeteria style and usually use disposable plates.

Immediately after meeting is over, the brethren set up long tables for the cafeteria line. The sisters help the hostess in the kitchen and carry items out for the food line.

Sharing a fellowship meal together -- and sharing the work of setting it up and washing the cups and silverware afterwards -- promotes closeness among the brotherhood. It helps us get acquainted with visitors and provides an opportunity to catch up on the lives of brothers and sisters who live in other districts.

Because the meal is kept simple and because everyone helps, the hostess is not overburdened. I have often chatted with visitors to my own meeting while the other sisters did the dishes.

As many preparations as possible are done on Saturday -- for instance, when I serve barbecue, I brown the meat and stir up the sauce Saturday afternoon. Sunday morning, I mix them together in an electric roaster and by the time meeting is over, my barbecue is ready.

Occasionally, of course, things don't go that smoothly -- at least for me. (The sisters who grew up helping their mothers to make "meeting meals" never seem to have these problems!) The last time my husband and I had meeting, I didn't serve anything hot, but just had sandwiches. I made a batch of Florence's cheese spread and bought three gallons of chicken salad. The 228 sandwich rolls ran out long before the chicken salad did.

Fortunately, I had a loaf of bread in the freezer, and everyone got a sandwich. I still had a lot of chicken salad left over.

My worst miscalculation was not one of quantity, however, but of cooking time. I filled the large electric roasters with about 200 frozen fish fillets and expected them to cook in an hour or so. The ones around the edges did; the ones in the middle were still frozen solid at noon. I frantically flung them on cookie sheets and baked them all in the oven -- no time to chat with the visitors that day!

The recipes printed here shouldn't give you any of those problems as they are all specific as to quantity and length of time required to cook.

Even with the inconvenience cooking for a crowd sometimes causes, I wouldn't want to see our church give up the Sunday noon meal. Sharing what has happened in our lives the past week and discussing the morning's teachings seems to go better over a sandwich of Carrie's pressed chicken or a bowl of Emma's rice soup.

CHEESE SPREAD FOR SANDWICHES

4 pounds Velveeta cheese
1 pound sharp cheese
16 ounces cream cheese
8 hard-boiled eggs
4 jars pimento peppers
1 medium onion
8 eggs, beaten
½ cup sugar (8 tablespoons)
½ cup flour (8 tablespoons)
½ cup vinegar (8 tablespoons)
½ cup prepared mustard (8 tablespoons)
2 teaspoons salt

Grind Velveeta cheese, sharp cheese, cream cheese, boiled eggs, peppers and onion. Cook, stirring until smooth, the remaining ingredients. Mix these two mixtures together well, using your hands. Serves approximately 100 people. This freezes well. Family sized portions of this recipe can be made easily by dividing the above portion into 8.

Florence Myers

Serving a crowd? Make several batches of lasagna, freeze until ready to use. Then pop frozen into the oven and bake until thoroughly heated.

POOR MAN'S SOUP

5 ¼ quarts dried beans (navy beans, pea bean, etc.)
15 ¾ gallons water
10 ½ quarts shredded cabbage
10 ½ quarts tomato juice or cooked tomatoes
5 ¼ quarts diced celery
5 ¼ quarts cubed carrots
5 ¼ quarts cubed potatoes
5 ¼ cups uncooked rice
7 cups chopped onion
21 beef bouillon cubes or broth from soup bones
7 tablespoons salt
5 ¼ teaspoons pepper
5 ¼ teaspoons basil
10 ½ pounds ground beef

Soak beans in water overnight in a 20-quart kettle. Next day divide into 3 (20 quart) kettles and simmer beans 45 minutes. Add all the ingredients, but ground beef and bring to boil. Brown beef in skillet and add to boiling soup. Cover and simmer 1 hour. Serves 150 or more.

Nancy Funk

RICE SOUP

12 quarts rice beef broth
4 pounds brown rice
4 quarts chopped, cooked roast beef or ground beef
salt and pepper to taste

In a heavy 20 quart kettle bring broth to a full boil. Add meat. Bring to a boil and add the rice. After it boils, turn to low and simmer 1 to 2 hours. (The more you stir it, the thicker it gets.) Season to taste. We made 3 canners for lovefeast meals.

Emma Sauder

BAKED POTATOES

approximately 40 large scrubbed potatoes
melted butter
3 to 4 cups water
thyme, basil, oregano (optional)

Pour water in bottom of greased electric roast pan. Roll potatoes in melted butter with seasonings if desired and place in pan. Cover. Bake at 350° for 2 hours, turn very low and steam an additional hour.

Ruth A. Conley

PRESSED CHICKEN

35 pounds chicken
3 to 4 tablespoons salt
pepper to suit taste
3 ½ to 4 quarts broth
2 cups vinegar
5 tablespoons gelatin

Cook chicken with salt and pepper until soft; debond and remove skins. Place chicken slices lengthwise in oblong pan. Bring broth to boil. Add vinegar and gelatin (softened in small amount of cold water). Add to chicken. When jelled, slice with electric knife. Serveds 100 to 125 people. For Family Size Use:

1 (3 to 4 pounds) chicken
1 ½ teaspoons salt
¼ teaspoon pepper
3 cups broth
4 tablespoons vinegar
1 tablespoon gelatin

Carrie Shirk

BEEF BARBEQUE

17 pounds ground beef
3 large stalks celery
12 green peppers
12 large onions
1 (7 pounds 2 ounces) large can ketchup
1 ½ cups brown sugar
¾ cups vinegar
3 tablespoons dry mustard
Worcestershire sauce, salt and pepper to taste

Brown hamburg in a skillet. Chop vegetables fine in a food processor or blender. Mix with remaining ingredients. Add drained browned beef. Mix thoroughly in large electric roast pan. Bring to a full boil, then simmer 1 hour. Fills approximately 120 rolls.

Ruth A. Conley

(Turn to Page B8)

Recipe Topics

If you have recipes for the topics listed below, please share them with us. We welcome your recipes, but ask that you include accurate measurements, a complete list of ingredients and clear instructions with each recipe you submit. Send your recipes to Lou Ann Good, Lancaster Farming, P.O. Box 609, Ephrata, PA 17522.

Jan.-	
7-	Warm Up With Soup
14-	Homemade Breads
21-	Oat Bran Recipes
28-	Sugar Free Eating

Featured Recipe

For the judges in the Woman's Day Specials/Prego spaghetti sauce Quick Family Favorites Recipe Contest, there was something about Holiday Hambalaya that made it a winner. The recipe, submitted by Roxanne Chan of Albany, California, is a hearty, delicious stew of juicy ham cubes and features Prego Extra Chunky spaghetti sauce with sausage and green pepper, corn, rice, olives and onions.

Equally important to the judges, however, was the fact that stew dishes signify "home" for many families. They appreciated the family appeal of this dish, as well as its appetizing appearance and good nutritive value and labeled Holiday Hambalaya a winner.

HOLIDAY HAMBALAYA

2 tablespoons butter or margarine
1 large onion, chopped
1 jar (13.5 ounces) Prego Extra Chunky spaghetti sauce with sausage and green pepper
2 cups cubed cooked ham
2 cups cooked rice
½ teaspoon chili powder
1 cup cooked whole kernel corn
¼ cup sliced pitted ripe olives
½ cup chopped fresh parsley
Sour cream

1. In 4-quart saucepan over medium heat, in hot butter, cook onion until tender, stirring often. Add spaghetti sauce, ham, rice, chili powder and corn. Reduce heat to low. Cover; simmer 15 minutes, stirring occasionally.

2. Stir in olives and parsley. Serve with sour cream. Makes 7 cups or 6 servings.

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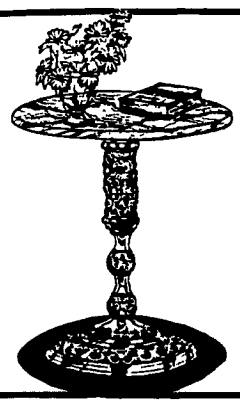

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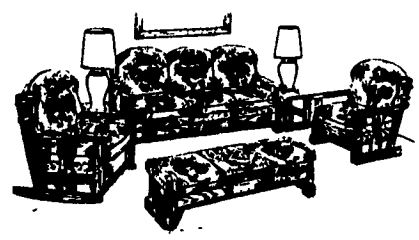

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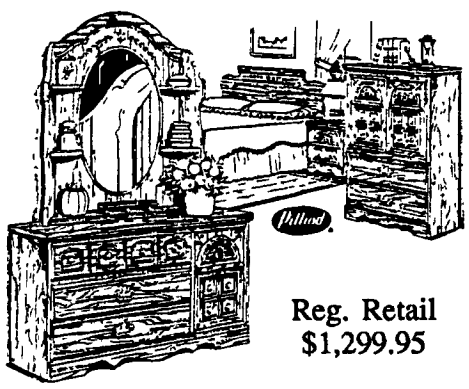

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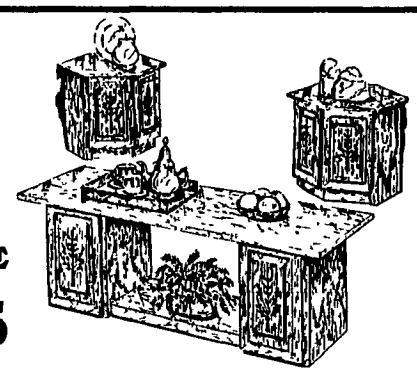

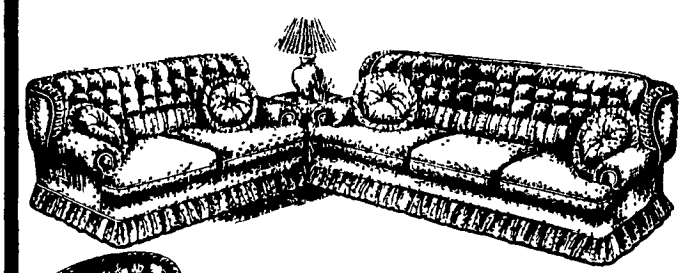

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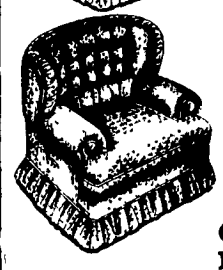

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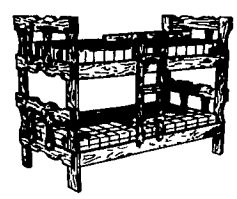

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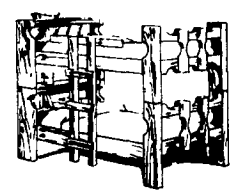

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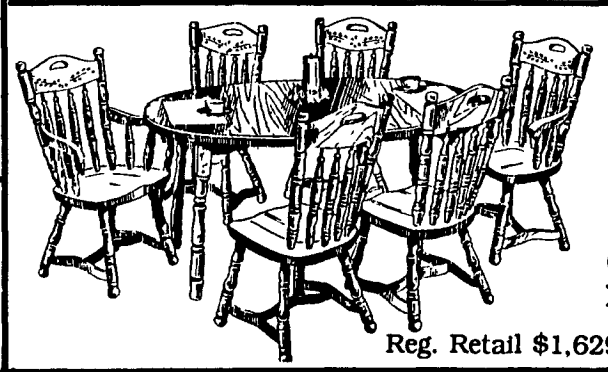

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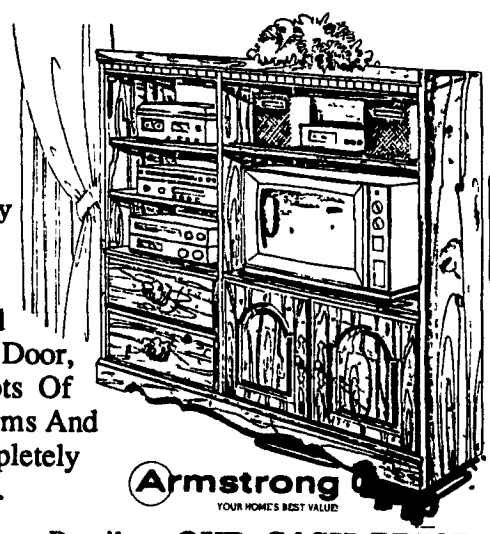

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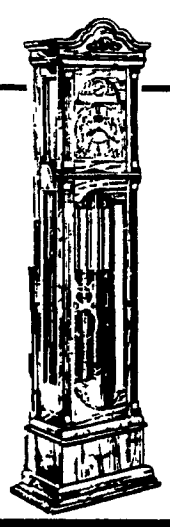

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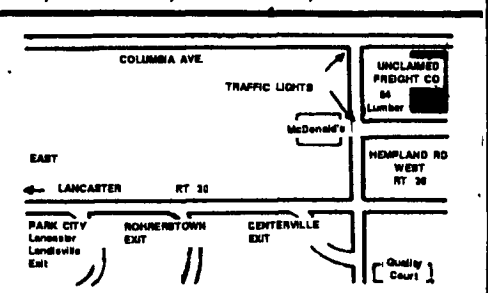

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Cook's Question Corner

If you are looking for a recipe but can't seem to find it anywhere, send your recipe request to Cook's Question Corner, care of Lancaster Farming, P.O. Box 609, Ephrata, PA 17522. There's no need to send a SASE. If we receive an answer to your question, we will publish it as soon as possible.

Answers to recipe requests should be sent to the same address.

QUESTION - A Fleetwood reader would like a recipe for toaster breakfast pastries.

QUESTION - Patricia Wax, Carlisle, requests a recipe for homemade bagels that taste similar to the frozen Lender's Bagels.

QUESTION - R.G. Kamoda, Monongahela, requests recipes using a farm-dressed stewing hen for chicken noodle soup, and chicken and biscuits.

QUESTION — Edna Davis, Lenhartsville, requests a recipe for apple streudel.

QUESTION — Martha Lair requests a recipe for chive buns.

QUESTION — Mary Schlaseman, Mt. Zion, requests a recipe for molasses coconut Easter eggs.

QUESTION — Helen Kalwasinek, Portage, asks, "Does anyone can geese?" Since some can beef and chicken, she suspects that geese can be canned but would like directions.

QUESTION— Helen Kalwasinek, Portage, requests a recipe for deli rye bread similar to that made by Stroehman's.

QUESTION — R.W. from Somerset County requests recipes for beef tongue.

QUESTION — A reader from Snyder County requests a recipe for Wisconsin cheese soup.

QUESTION — C. M. Haas, Monocauy Station, requests a recipe for chocolate shoofly pie.

QUESTION — A reader from York County wants directions for cooking homemade tripe that will come out snowy white.

QUESTION — Velma Koons, Felton, requests a recipe for minestrone soup. Thanks Martin Roy of Warrenton, Va., for answering this request.

Italian Minestrone

1 cup dried white beans
2 cups brown stock (bouillon)
6 cups water
1 large onion, chopped
1 clove garlic, minced
3 large carrots, finely diced
3 stalks celery (with leaves), diced
1 cup diced raw potatoes
2 tablespoons olive oil, butter or drippings
1 cup cooked macaroni in ½ -inch pieces (½ cup uncooked)
1 tablespoon salt
¼ teaspoon pepper
1 cup cooked tomatoes

Soak beans overnight in cold water. Drain. Simmer beans, stock and water together in kettle until beans are tender (1 to 2 hours). Saute onion, garlic, carrots, celery and potatoes in olive oil. Add sauteed vegetables to beans in kettle. Cover, cook slowly 30 minutes, stirring often. Add macaroni, salt, pepper and tomatoes. Simmer 15 minutes. If a thinner consistency is desired, thin with water or brown stock. Amount: 10 servings.

ANSWER - A reader from Fulton County requested a recipe for city cured bacon. Also, a recipe was requested for curing hams and bacon. Thanks Edith Fetter who sent directions. If there are any questions, contact her at R.D. 1, Oley, PA 19547.

Dry Curing

For 100 pounds use:
8 pounds salt
2 pounds sugar
2 ounces saltpeter (reduce to 1-ounce for bacon)

Mix ingredients throughly. Rub one part of mixture on the surface of meat. Put about ⅛ -inch layer on lean face of hams. Fit salted meat in a clean barrel being careful not to shake off mixture. Hold in cold place 36 to 40 degrees. In 6 to 8 days, resalt meat with remaining salt mixture. Cure for 25 days.

Brine Curing

Fit cold meat in barrel or crock.
Cover with the following solution:
8 pounds salt
2 pounds sugar
2 ounces saltpeter
4½ gallon water

Weight down meat so it doesn't float. On the seventh day, pour out solution. Repack and stir in fresh solution. In 14 to 28 days, repack and stir in fresh solution. Curing time about 4 days for each pound. Bacon takes less time so use 5½ gallon of water in place of 4½ gallon.

Smoke Curing

A fire should be built to 100 to 120 degrees. On the first day, cover with sawdust or apple or hickory wood. Wood used depends on flavor desired. Cool fire to 90 degrees. Hang ham. It might take about a week to smoke depending upon the thickness of the smoke. Don't let the fire get too hot and if it goes out, rebuild it. After ham reaches dark brown color, take out and wrap in brown paper and hang up in cool place so it will keep several months. If mold appears, it will not hurt meat. Wipe or wash off. It off

ANSWER — Peggie C. Leifeste, Matawan, N.J., requested a recipe for a "chemical garden" invented about 1930 when most people had no money and made decorations themselves.

Thanks Evelyn Becker, Strasburg, who clipped the recipe from the February 14, 1981 issue of *Lancaster Farming*.

Chemical Garden

6 tablespoons water
6 tablespoons salt
6 tablespoons liquid laundry bluing
1 tablespoon ammonia

Mix together all ingredients. Place pieces of coal or stones in a glass bowl or pie pan. Pour solution over coal. To obtain colored growth, food coloring can be added. Grows best where warm or dry. To keep it growing, carefully add more liquid at the side.

ANSWER — B. Nolt, Lititz, requested recipes for filled doughnuts. Thanks Ruth Hostetler, Selingsgrove, for yours.

Cream Filled Doughnuts

Scald:
1 quart whole milk

Add:
2 cups mashed potatoes
1 cup shortening
1 cup sugar

Let cool to lukewarm.

Prepare:
3 packages dry yeast in
¾ cup warm water
1 teaspoon sugar

When yeast becomes alive, add to above mixture.

Add:
2 beaten eggs
1 tablespoon salt
9 to 11 cups flour

Mix well. Let rise until double. Knead well. Roll out ½ -inch thick and prepare filling. When doughnuts have risen, fry in shortening. Cool then fill by cut a short slit in the side of each center and squirting the filling in with a pastry bag or cookie press.

Filling:
1 cup vegetable shortening
1 cup margarine
Pinch of salt
1¼ pounds confectioners' sugar

Cream well. Add 2 egg whites and enough milk to make a smooth paste. Beat in 1 cup marshmallow whip. Makes 80 to 90 doughnuts.

ANSWER — R. Beiler, Quarryville, requested a recipe for Mock Ham Loaf. Thanks Evelyn Becker, Strasburg, for clipping a copy that appeared in the September 13, 1986 issue of *Lancaster Farming*.

Mock Ham Loaf

1 pound ground beef
½ pound hot dogs, ground
1 cup cracker crumbs
1 egg beaten
1 teaspoon salt
½ teaspoon pepper

Glaze:
¾ cup brown sugar
½ cup water
½ teaspoon dry mustard
1 tablespoon vinegar

Mix well ground beef, hot dogs, crackers, egg, salt and pepper. Add one-half of the glaze to mixture. Shape in loaf and place in baking pan. Cover with remaining glaze. Bake at 350 degrees for 1 hour.

Cooking

(Continued from Page B6)

TAPIOCA

1 gallon milk
8 eggs, separated
2 cups sugar, divided
1 teaspoon salt
1 ½ cups tapioca
2 tablespoons vanilla

Soak the milk, beaten egg yolks, 1 cup sugar, salt and tapioca for 5 minutes in 8 quart kettle. Heat to boiling. Boil 5 minutes. Fold in the egg whites, stiffly beaten with 1 cup sugar. Add the vanilla. Cool. Stir and chill. Fills one Tupperware Fix-n-Mix bowl. Serves 50.

Daniel M Conley

BEAN SALAD

5 quarts green beans
5 quarts yellow beans
1 ½ quart white kidney beans
2 quarts red kidney beans
4 quarts carrots
2 quarts onions
5 cups sugar
5 cups vinegar
5 teaspoons salt
5 teaspoons pepper or less

Cook each vegetable separately; drain and cool. Mix together in a large container. Mix together the sugar, vinegar, salt and pepper. Stir in the vegetables. Let set a day or two in the refrigerator. Keeps well. Serves 150.

Christena Forry

BAKED MACARONI AND CHEESE

5 pounds macaroni (20 cups)
17 quarts water
6 tablespoons salt
1 ¼ cups butter
10 tablespoons flour
15 cups milk
6 ¾ pounds cheese (3 ⅓ boxes of 2 pounds Velveeta)

Cook macaroni in the salted water and drain. Make a white sauce of the butter, flour and milk (melt butter). Add flour and stir until well blended and bubbly. Slowly add milk, stirring constantly until a smooth paste is formed. Place layer of macaroni in the bottom of a greased electric roast pan. Add sliced or grated cheese and white sauce. Repeat until the roast is full. Bake at 350° for 1 to 2 hours or until hot. Serves 60.

Mary Hostetter

Cheese Nibbles

When cheese dries out, simply shred it and store in an airtight container in your refrigerator to use as a savory addition to casserole or quiches. When cheese has some mold on it, remove ½ inch of the cheese on all sides where there is visible mold.

1986, cheese consumption in the United States topped 23 pounds per person, according to U.S. government statistics. Even though that's a 50 percent increase over cheese consumption 10 years ago, we still eat only half as much cheese as the French.

When putting a cheese tray together, allow about ¼ pound of cheese for each guest. Offer three to five cheese choices that vary in flavor, size, texture, shape and color. Accompany with crusty French bread, unsalted crackers, apples or pear wedges, grapes, strawberries and melon slices.

Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

Re-Designing A Kitchen

Your kitchen is the most used room in your home. And if it was built or remodeled more than 10 years ago, it may be time for a change. Perhaps it is no longer current with the needs of your family.

The ideal kitchen has changed. It was once the place where mother worked alone and everyone else stayed out of the way. Today, mother may still be the only cook, but the kitchen has become the gathering place for busy families. A place to be together.

So, when re-designing a kitchen, consideration should be given to the many activities other than cooking that take place there.

The kitchen may be a message area, home office, study center, hobby workshop or just a place for lively conversation. Whatever activities need to be accommodated, adequate table and counterspace are essential for comfort and convenience.

Plan special work areas in which particular jobs can be performed. Everything necessary to do the job should be in one location. For example, locate a salad-making center between the sink and refrigerator. All essentials for preparing salads including knives, mixing utensils, cutting board, food processor, salad bowls, dressing ingredients should be in the immediate vicinity. This allows the cook to reach into the refrigerator for the salad fixings, wash the produce in the sink, prepare the ingredients on the chopping board and in the food processor and mix the ingredients all within a few steps of each other.

There may be more than one person cooking at the same time so the kitchen should be designed to avoid getting in each other's way. Adequate aisle space is important.

Peninsula or island counters have become popular as work areas when several people are cooking in the kitchen at the same time. The peninsula or island could house a cooktop, chopping block or sink as well as outlets for the many appliances used today. Additional storage space underneath or above adds greater convenience. Or a snack bar, table or pull-out counter located on the opposite side to direct traffic away from the work area.

Convenience also needs to be considered. A step-saving arrangement of sink, refrigerator and range is most basic. Ample counterspace and storage of things where they are used helps in reducing the amount of time and effort needed in food preparation. Also, try to store items used frequently within reach rather than on high shelves where a stepladder is always needed. Organize items on lazy Susans for convenient accessibility.

Easy care is yet another consideration in re-designing. Select material that helps to cut down the time spent in cleaning. For instance, look for cabinets that can be wiped clean, smooth counter surfaces, washable wallcoverings, no-wax flooring and simple window treatments.

Get your entire family involved in a kitchen update project. Many heads come up with more innovative ideas than one and if the room is planned well, it will not only be enjoyable to be in, but it will also be well-organized and easy to keep clean.

FUTURE TRENDS IN APPLIANCES

By the year 2001, automobiles will have microwave oven compartments instead of glove compartments. They will be used to prepare hot breakfasts on the way to work or dinner on the way home. Flowers, bottles of wine, videotapes, and dinner will be delivered to the workplace to be taken home.

Cars will also come equipped with telephones than can program kitchen appliances to defrost, preheat, and bake foods, as well as make ice cream.

Imaginative new products are on the way. Here's some of the expected useful items buyers say they want:

A programmable bathtub - you determine the time and temperature. Set in advance to have the bath ready when you wake up or arrive home.

A lighted showerhead, using no batteries or outside power source. It runs on a water powered generator.

A quiet garage door opener to end rumbles that kill sleep.

Big kitchens with atriums, combination convection-microwave and walk-in pantries. More counter space, with tuck-under hostess carts.

Some high-tech changes are expected in the early 1990's: Most new homes will be "computer-ready." By then, the telephone can be used to start dinner, water the lawn, etc. And there will be better heat pumps, solar design, and radon-proofing.

New Year's Resolutions That Pay

HARRISBURG — A New Year's Day tradition is to adopt resolutions to lose those extra pounds, get a better job or get one's financial affairs in order.

"Credit unions cannot help people lose weight or change careers, but they can help members manage their money better," said Michael J. Judge, president of the Pennsylvania Credit Union League. The League represents 1,200 credit unions, cooperatives that provide financial services to 2.5 million Pennsylvanians.

The following resolutions will help people who are overburdened by debt, have inadequate record-keeping and who are unable to save for emergencies and planned purchases.

Resolve to adopt a monthly budget and stick to it! Even the most informal budget can be a good first step toward financial awareness, according to Judge. A monthly budget lists all income and expenses and helps a person make cuts accurately if needed. It helps assure there is enough money to meet necessary expenses.

To start, budget for the previous month, the current month and the upcoming month. Use the figures for the previous month to plan for the current and upcoming months. Experiment with different budgeting systems until you find one that suits your needs.

Resolve to save regularly with each pay! Financial advisors recommend a goal of 10% of net take-home pay. Use regular savings to establish an emergency fund and to save for down payments on a house or automobile.

"By saving money and purchasing with cash, people would avoid overextending themselves on credit," said Judge. Credit unions offer payroll deduction to make it easy for workers to place a percentage of their pay into a share savings account. They also offer Individual Retirement Accounts through which members can save for retirement.

Resolve not to overdo the credit cards! Credit cards are convenient and provide the safety of not having to carry cash. However, too much easy credit can hurt you.

One or two credit cards can usually suffice for most people. When looking for a credit card, it pays to shop around because rates and terms vary. Generally, credit unions offer credit cards at lower rates than can be obtained elsewhere.

"If you know you will carry a balance on the card, shop for the lowest interest rate," said Judge. "If you plan to pay off the balance every month, look for a card with no annual fee."

Consumers can avoid "creeping debt" by paying for small purchases with cash. A low-cost personal loan from a bank or credit union is an option for larger purchases such as major appliances and stereo equipment.

"Make sure these resolutions are kept by creating a plan to accomplish them," said Judge. "Create small action steps and a realistic timetable to complete each resolution."

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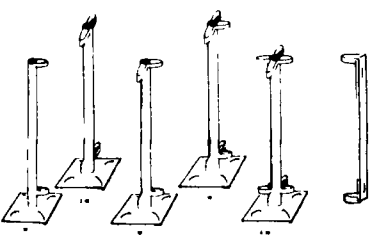

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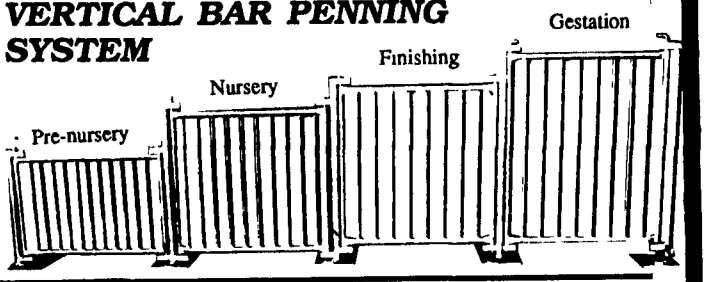

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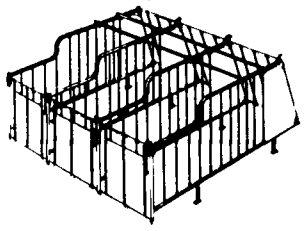

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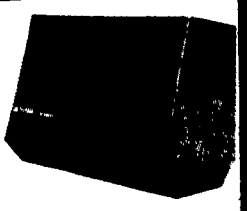

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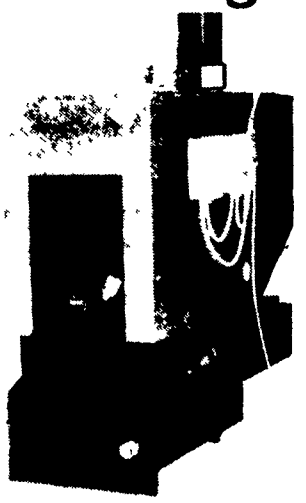

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Kid's Korner

All About Andy

Andy Stoner, 3, enjoys helping with chores on his family's 115-acre farm. He loves piglets, whether real or stuffed.

BY BONNIE BRECHBILL
Franklin Co. Correspondent

GREENCASTLE (Franklin) — Andy Stoner loves pigs. And there is no shortage of them on the farm where Andy lives with his parents, Richard and Lana Stoner, and his older brothers and sister.

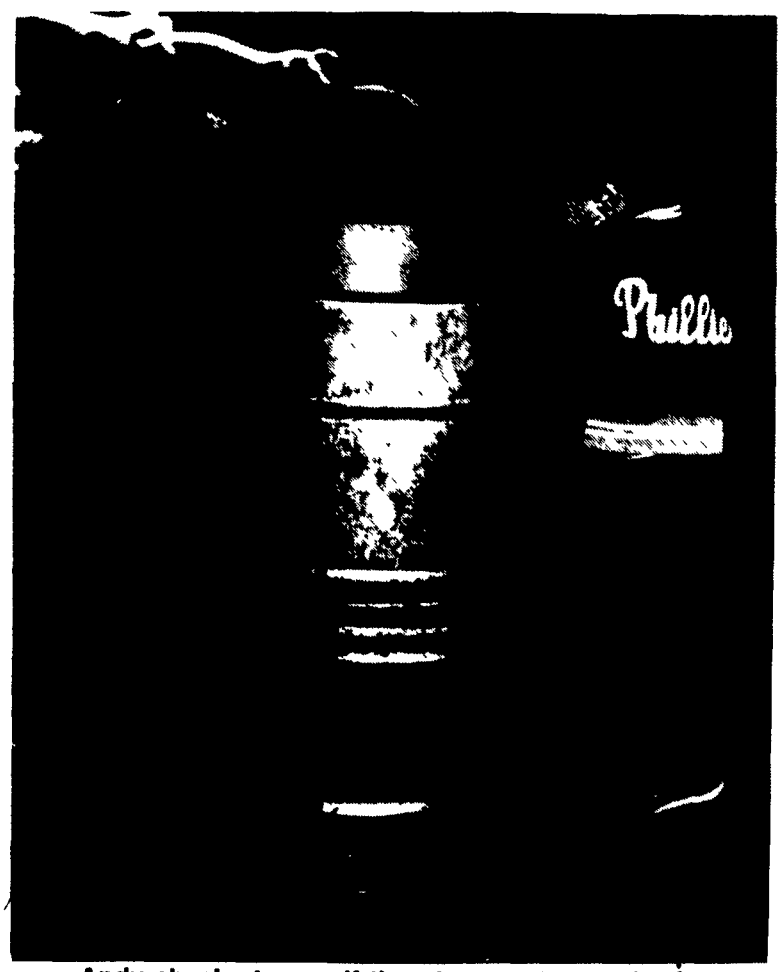
Andy's dad has 120 sows. Andy loves to hold the tiny piglets. And he likes to "catch piggies and shot them." He doesn't meat "shoot them," he means "shot them" — vaccinate them.

One pig that Andy has never "shotted" is his stuffed pig, Orson.

Andy, 3, is also interested in his father's crops. He often checked the barley field near the house this fall to see if the barley was coming up.

"Every time we go the mail, we had to go check the barley," his Dad said.

Andy decorated a Christmas tree for himself this year. He got the tree and birds from his Grandma Stoner.



Andy checks to see if the pigs need more feed.

Andy is proud of the large potted plant he got from his Grandmother Stoner. He decorated it with birds and placed a small felt Christmas tree on top of it to create his own personal holiday tree. It stands in the living room near the family's tree.

When the weather is warmer, Andy enjoys making roads in his sandbox and playing with the cats that abound on the farm.

Andy and his father make frequent checks on the crops on their farm. Andy's cats like to accompany them.

Tractor Pull

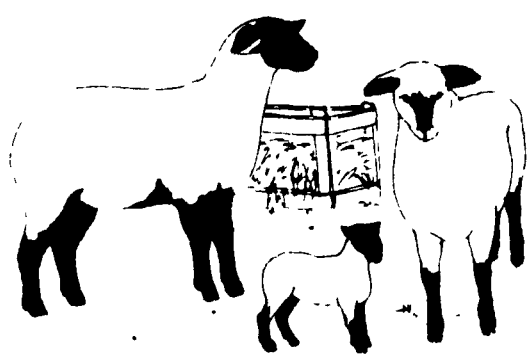
Show your pedal power on Sunday, January 8, at the Children's Pedal Tractor Pull held during the 73rd annual Pennsylvania Farm Show. Competition is open to children ages three to eight.

Pedal tractor pulling is similar to real tractor pulling except children on pedal tractors are the pullers. Pedal tractors will be furnished for participants. A special sled that has a moving weight box is attached. A full pull is about 60 feet.

Three classes will be offered: 3 to 4 year-olds, 5 to 6 year-old, and 7 to 8 year-olds.

Sign up begins at 1:30 p.m. in the large arena. Only 20 children will be allowed to enter each class.

Parents wishing more information or who want to sign up their children before January 8, should contact Christian Herr at the Pennsylvania Department of Agriculture (717) 783-8460.



We Want To Hear From You

Write and tell us about yourself. Do you have any pets? Did something funny or sad happen to you? What do you think of school, homework and chores? Are you doing anything special over the holidays?

Send your letters to "Kid's Korner" 1 East Main Street; P.O. Box 609, Ephrata, PA 17522.

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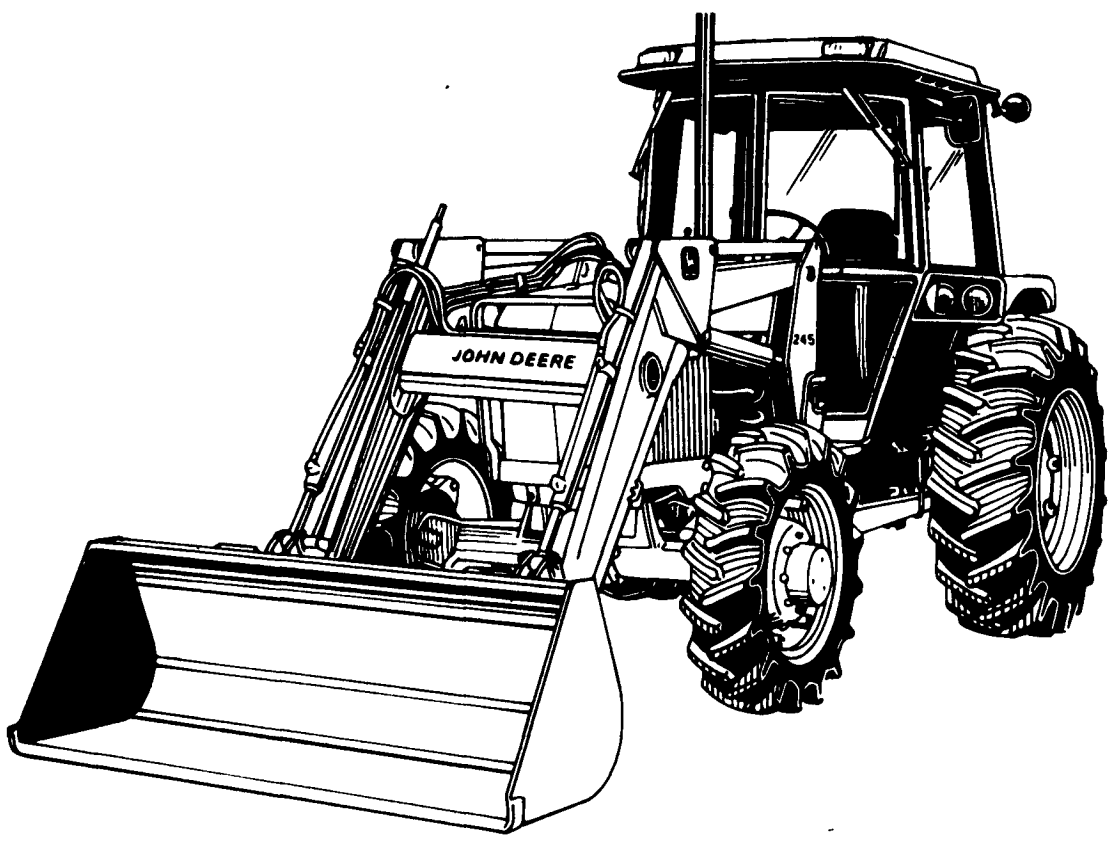

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Ida's Notebook

Ida Risser

Christmas season at my childhood home was very different from the Christmas that my grandchildren experience.

My sisters and I were given a dime or two and expected to buy three or four gifts. We could choose between handkerchiefs, pencils, candy or a comb. There was still the excitement of keeping the gift secret and wrapping it in the previous year's paper.

Our tree was one that my father found in our hilly meadow along the Conestoga River. Almost always it was a cedar with tiny, prickly needles. But it was our tree and we had some pretty balls to decorate it. Sorry to say, but most of them were broken as years went by.

Other decorations were more indestructible such as paper wreaths and bells. These were a faded red from years of use and sunlight. The bells could be folded flat for storage.

We hung up long, brown, cotton stockings at the chairboard in the kitchen. There was sure to be an orange in the toe with a few nuts and some hard candy on top--no toys.

A Christmas program at church was always looked forward to as we were given a box of chocolates afterwards. Even the journey to church was exciting as my father snapped the celluloid curtains of the 1923 Overland and the nine of us piled in for the trip to the village.

My grandchildren live in very affluent homes where a big tree is purchased and there are many toys for them than they can appreciate. I doubt if they color tablet paper and then glue paper rings together to make chains for decoration.

My one big gift each year, from a favorite aunt, was put away so it would not be broken. And, those same toys are still in the original boxes in good condition. Now they are called antiques.

Getting Financial Records Organized

YORK — Did you know that... for some families, getting financial records in order mimics Mark Twain's conclusion about the weather.

"Everybody talks about it, but nobody does anything about it." Yet, there is nothing too time consuming or difficult about keeping an accurate finger on your financial pulse. Once you've set up a system, the process is fairly mechanical and much more efficient than receipts scattered all over the house. The payoff for good record keeping comes all year long — when insurance coverage needs reviewing, when you apply for a loan and need a statement of your net worth, at tax time, and most of all, when you plan future expenditures.

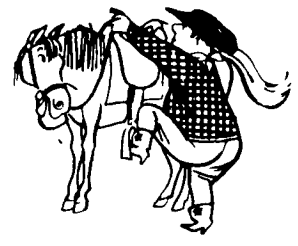
Record keeping can:

* help you keep a close tab on where the money goes, which can be especially important in uncertain economic times.
* help you manage daily family financial responsibilities.
* help you locate records and business papers easily when needed.

The best formula for efficient record keeping depends on the individual family.

If your New Year's Resolution is to become better organized in 1989, then perhaps you'd like to attend a workshop on Getting Organized for 1989 sponsored by Penn State Cooperative Extension. The workshop will be held the Extension office meetin room, 112 Pleasant Acres Roa York from 10-11:30 a.m. or fro 7-8:30 p.m. on January 9, 198 What a great time to get started – you're only nine days into the ne year! The cost is $5.00 whic includes the "Getting Organized book. Advance registration required. Call 757-9657 register.

SADDLE UP!



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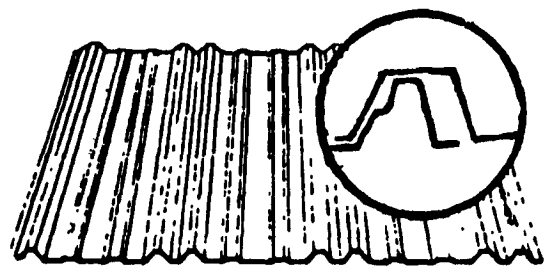

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Seeing Ourselves As Others See Us

We not only see ourselves differently than others see us, our memories of disputes also usually differ from the memories of those we've disputed. This message from the Jewish Theological Seminary of America may bring us all a broadened vision and a shared perspective.

Things happened. We both experienced them. You saw them your way -- colored by experiences in your past, or by resentment or impatience. I saw them them my way -- colored by fear, by pride, by the fact that I am myself and not you.

So our memories of what happened were very different from the start. And then, before we knew it, memories hardened into myths and myths into dogma. Now we find ourselves divided. We stare across the chasm, but we don't see each other.

Wife, husband. Child. Parent. Friend.

Race. Nation. Religious group.

I'm tired of being alone on my side of the chasm. I'm using up so much energy fearing and resenting you. Sometimes I wish each of us could crack the dogma, peel away the mythology, shed our own recollections and trade memories. What would it be like if we could see each other's pictures of the history we share? If we could see each other?

What we need here, you and I, is a little humility and a lot of housecleaning.

Humility: to say, only God sees history whole and knows the whole truth. All I have is my perception. It's valid, it's precious, but it's fragmentary. Maybe I ought to try seeing as God sees, from all the angles.

Housecleaning: Memory is selective, and I'm carrying around years of slanted, narrow memories. I can't see past them. It must be the same for you. What we need to do is let some of them go. Trade a few. Listen.

Maybe, if I ask you how things look to you, between us we'll see something we never saw before.

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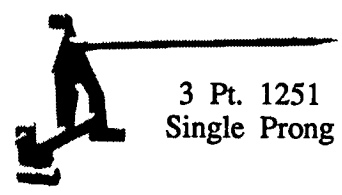

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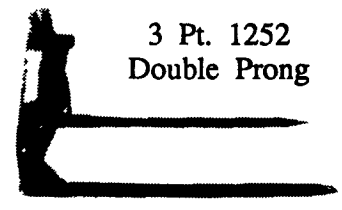

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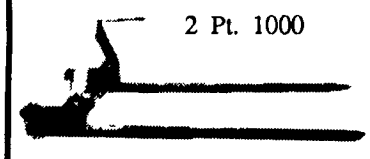

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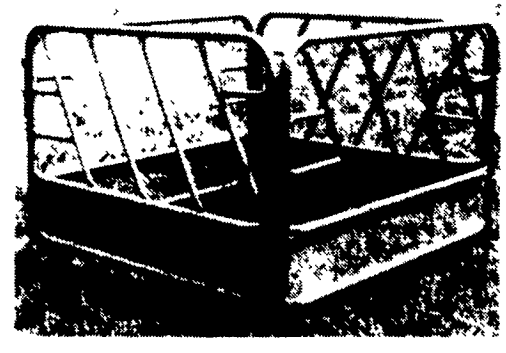

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Farm Women Societies

Lebanon Society 14

Lebanon County Farm Women Group #14 met at the Campbelltown U.M. Church for a Christmas dinner.

Fifty-three attended. Carols were sung, and for the children members had pinatas.

The next meeting will be January 17 at the home of Doris Alger.

York Society 26

The York Green Valley Farm Women Group #26 held their December 13 Christmas party at the home of Ruth Kann. There were 20 members and one guest for the luncheon. Door prizes were won by Betty Bertolette and Naomi Cooshner. Those who are going to the state convention are Athena Beshore, Mabel Miller and Ruth Traveer. The next meeting will be held at Bonanza Restaurant at the Valley Green Mall, January 17th, 12:30 p.m.

Lancaster Society 26

Lancaster Farm Women Society #26 met at Greenfield Inn for a Christmas party. After a delicious meal, members revealed secret pals. A short business meeting followed.

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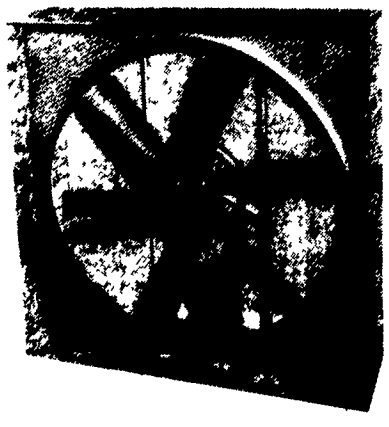

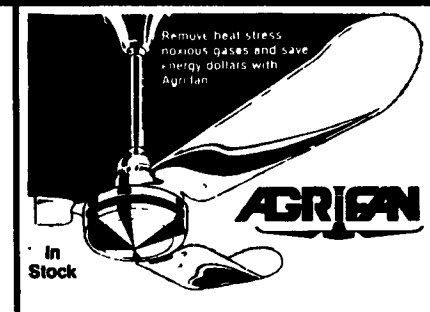

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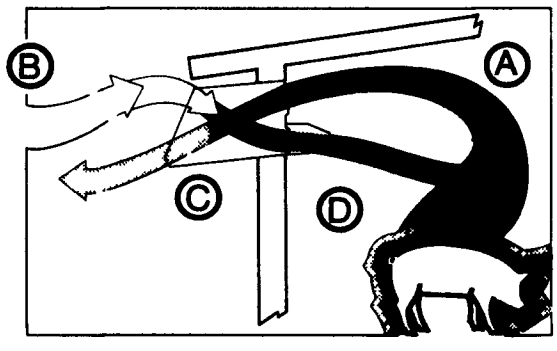

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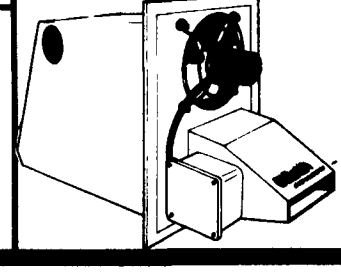

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The Elderly In Rural Society

THE ELDERLY IN RURAL SOCIETY: EVERY FOURTH ELDER is the name of a 1985 book edited by Raymond T. Coward and Gary R. Lee (Springer Publishing Company, New York). Coward and Lee state that research results on rural elderly Americans confront us with a disheartening set of realities. In contrast to the popular images of the "good life," with Grandmom and Grandpop rocking away on the large porch of their freshly painted farmhouse, surrounded by their land, grandchildren and the assurance of a prosperous future, we now know that:

- The average income of the rural elderly is consistently lower than that of their urban counterparts.
- A much higher proportion of rural than urban elderly have incomes below the poverty level.
- The rural elderly occupy a disproportionate share of the nation's substandard and dilapidated housing.
- The rural elderly have a larger number of health problems, which are more severe compared with those of the urban elderly, resulting in a larger number who retire for health reasons.
- There is a higher percentage of "heavy drinkers" among rural as compared with urban elderly.
- Mental health services are underutilized by the rural elderly. These services must be meshed effectively with other on-going services and informal helping networks, such as senior citizen centers and nutrition sites.
- The rural elderly need more transportation, but it is less accessible to them.
- According to research to date, kin relationships are apparently not significantly stronger in rural society.

Other researchers who contributed to the Coward and Lee book make important points that are pertinent to Extension staff and advisory groups seeking to address the needs of the rural elderly and their families:

- The needs of the rural elderly are getting more legislative attention. This group was not getting its share of the federal budget at the same time that research showed that the rural elderly have more unmet basic human needs. It was found that many federal programs were initiated from an outmoded data base. The quantity and diversity of rural social services have been increasing, but a gap remains, compared with urban areas.
- Social class implications need to be considered, lest we tend to "homogenize" rural elders into one group. They are individuals who differ considerably from each other. Those with higher incomes and better education have better health.
- More elderly people remain or retire to rural locations. Those who "migrate in are better educated and more affluent than those who have "aged in place." Retirees who move to nonmetropolitan areas tend to select locations that have been favorite vacation areas.
- There is no difference in marital satisfaction or adjustment according to residential location. There is apparently greater conservatism and more traditionalism. Younger generations usually live closer to the husband's family.
- Farm men have been found to spend less time interacting with other household members, including spouses, than rural men of other occupations. This contradicts the stereotype of farm families being more family-oriented.
- Rural beliefs and values inhibit use of mental health services. Themes of fatalism, subjugation to nature, orientation to concrete places and things, and emphasis on personal kinship ties are common. Values held by many rural elderly emphasize cultural stability, gradual change, and acceptance that ways of past living will endure into the future. Professionals who hold other views may myoptically initiate delivery programs which are destined to fail. The independence of the rural elderly may make them less likely to perceive the presence of personal and psychological problems. Rural professionals must be sensitive, gain acceptance, and establish personal credentials before professional credentials will be accepted. They need to be "streetwise" to the rural ecology.

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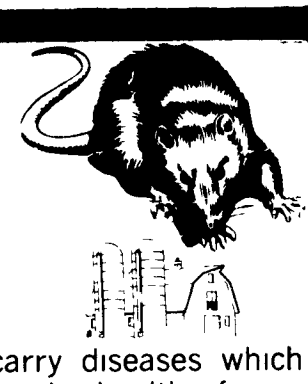

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Ethyl Barnes demonstrates hair care on Melanie McBryde as other VIP participants look on.

Helping Others Grow Old Gracefully

BY BONNIE BRECHBILL
Franklin Co. Correspondent

CHAMBERSBURG — Fourteen adults sit in a room trying to sew buttons onto pieces of clothing while wearing rubber gloves. Next, they try to do crossword puzzles while wearing glasses that have one lens smeared with Vaseline.

While these activities may appear humorous to a casual onlooker, they have a very serious purpose. The people with the rubber gloves and smudged glasses are learning about the problems an elderly person with failing eyesight and arthritis must face. The obstructed lens of the glasses simulates a cataract; the rubber gloves make the hands clumsy, as they are in persons with arthritis.

The participants in this exercise are training to be VIPs — Volunteer Information Providers.

The Volunteer Information Provider Program (VIPP) is an educational program utilizing the Extension network. It was originated by Burton Halpert, Ph.D., at the University of Missouri in 1985 and was used in rural Missouri counties for one year.

Training teams from ten states, including Pennsylvania, went to Kansas City, Missouri in January 1987 for three days of training. In April 1987, the program began as a pilot project in Union, Snyder, Montour and Northumberland Counties. The state training team instructed the county teams, who would eventually train the volunteers. In November 1987 teams from Cumberland, Adams and Franklin Counties were trained. Franklin County's team consisted of a nurse, a retired school administrator, the family living program aide and six staff members from the Area Agency on Aging. They began training local volunteers in April.

The program's training manual defines a Volunteer Information Provider as someone who wants to share helpful information with a family member, friend, neighbor, or any other person who is providing care to an elderly family member. The caregiver may be assisting someone in the home on a daily basis or helping with such responsibilities as shopping, meals, transportation, or locating necessary services when needed.

The objectives of the program are to help families, friends and neighbors:

1. Deal with the stress of caregiving.

2. Reduce the communication problems between caregivers and elderly persons.

3. Learn techniques for providing personal care, such as lifting and transferring an older person, giving a bath or shower, self-dressing skills, etc.

4. Learn how to use medicines wisely and deal more effectively with health care resources to aid elderly persons for whom they are providing care.

5. Be able to identify and access community resources that can help elderly persons for whom they are providing care.

An important point is that the VIP provides information only — he or she does not take on caregiving tasks.

Sometimes, however, VIPs are called upon to demonstrate caregiving skills.

Tawnya McNeill, a registered nurse from Mercersburg, was asked by her minister to attend the two and a half day VIP training.

Shortly afterwards, she was able to share information with a neighbor whose husband had recently had open heart surgery. McNeill demonstrated to the neighbor the proper technique for getting the man safely out of bed.

McNeill is active in social ministry in her church. She gave a talk to the church's senior citizens on how to give a bed bath, why a bedridden person must be turned often, and on the aging process in general.

A half day of the course was spent on such aspects of the aging process as Sensory Deprivation, Physical Changes, Mental Changes, Emotional Aspects, and Environmental Adaptions.

Blue Ridge Summit resident Melanie McBryde, another VIP, shares information when she visits the elderly of her church. She has also arranged for a nurse to speak to the Prime Timers (over 55) of the church on the aging process.

McBryde often stays with ederly persons so that the caregiver can go out for little while. The course helped make her aware of the stresses involved in caring for the elderly.

"Caregivers must realize that they're not superman," McBryde said. "They need to let others help."

While stress may arise from the day to day care of an elderly person, other areas may also induce stress. According to VIP McNeill, the course helped participants to understand the guilt many people feel about placing their parents in a nursing home. They may therefore decide to take their parents into their own home and care for them, "but then they have less time for their own family," which is also guilt-producing, McNeill said.

Stress reduction techniques taught in the program include deep breathing, progressive relaxation of the muscles, and visualization. Physical symptoms of stress include dry mouth, pounding heart, change in appetite, frequent urination, and the urge to scream, cry or run.

Another helpful aspect of the program was the emphasis on referral services. Because McBryde is not native to the area, she did not know what services are available locally to the elderly. "The local government and the civic clubs all have certain services that they provide such as legal aid or transportation," McBryde said.

Although McNeill is a nurse, the information on referral services was new to her. "I work in critical care," she explained. "I never had to make referrals for at-home care — the social services department takes care of that."

While referral information is relatively easy and straightforward for a volunteer to share with a caregiver, some of the information VIPs are expected to get across is a bit more touchy. They are well instructed in ways to teach information tactfully.

In the introduction to their Resource Manual, volunteers are told:

"Having information to share is not unlike being a salesperson. First thing you have to do is to discover what the person is like. Some people are very private and hesitate to let others know their needs. Others don't want to admit they need help. In approaching this type of person, it is important to be indirect. For example:

(Turn to Page B20)

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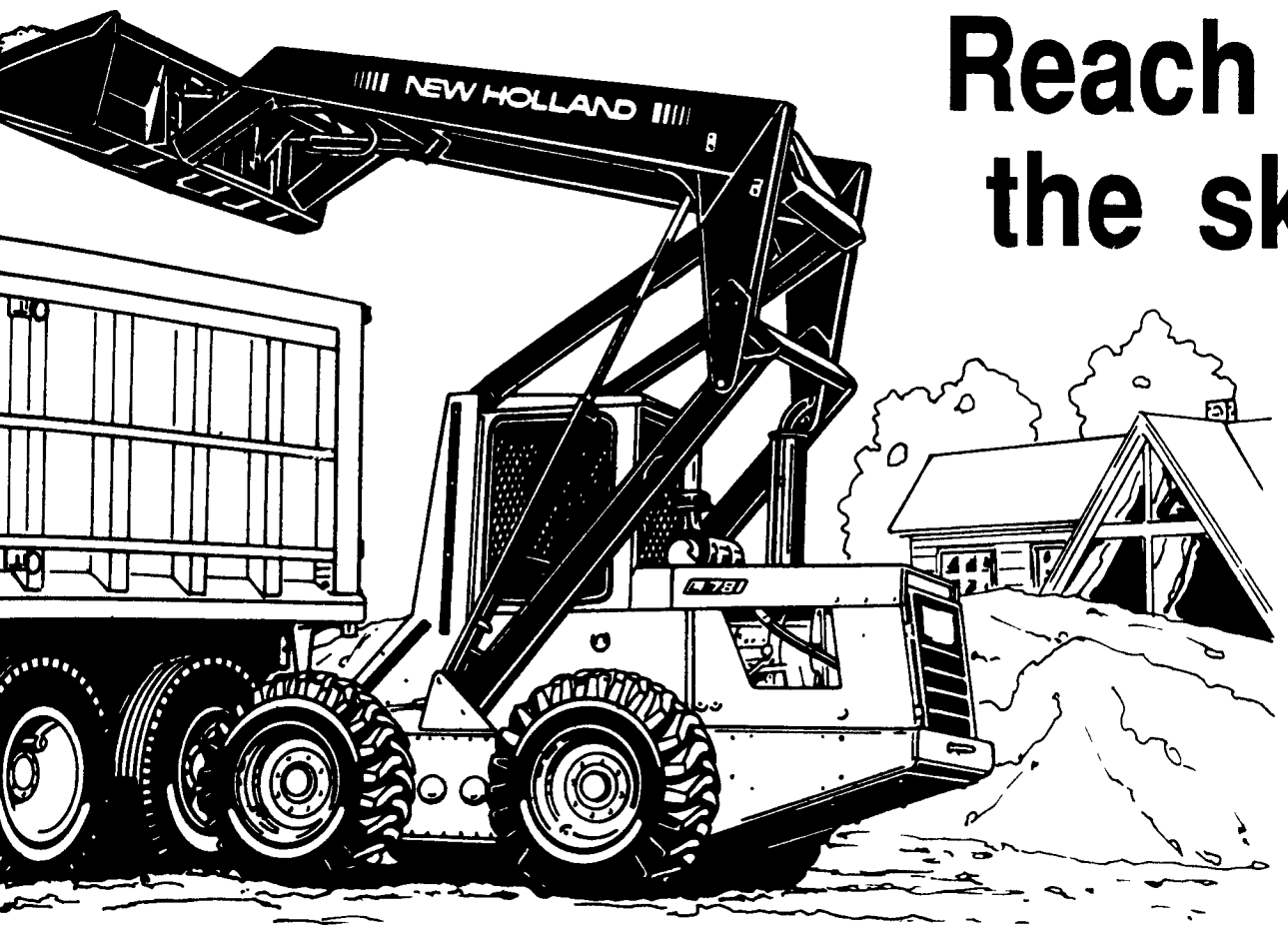

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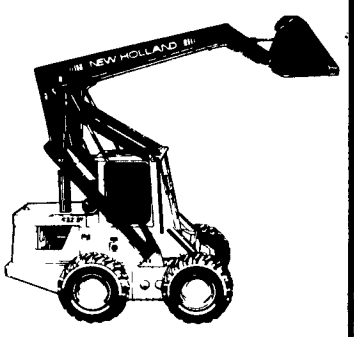

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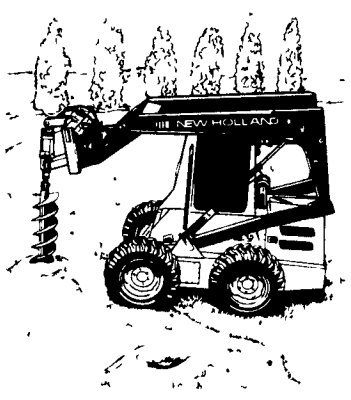

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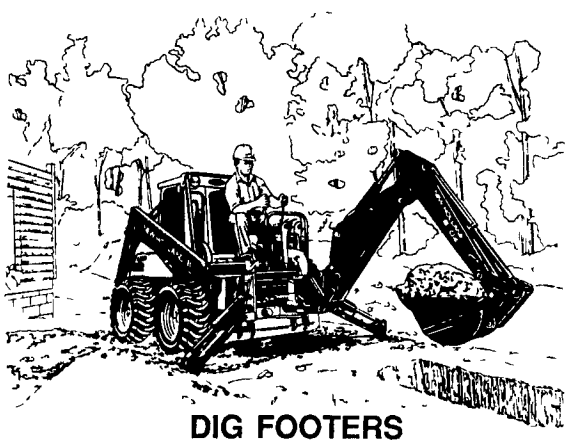

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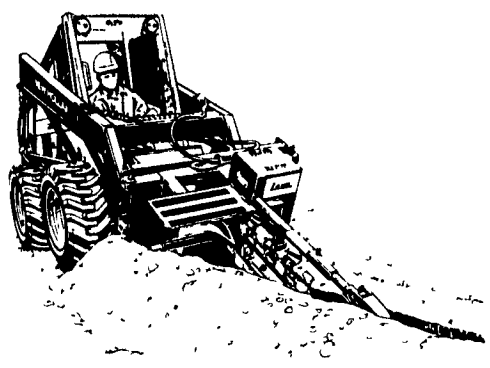
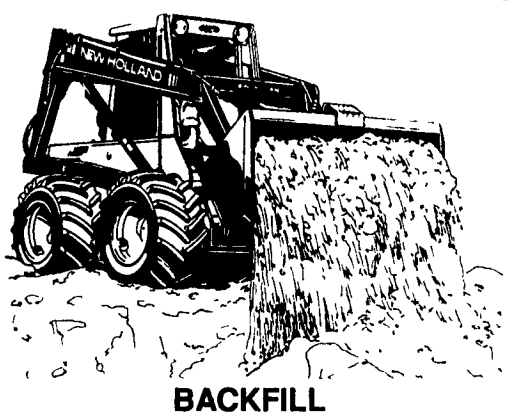


DIG TRENCHES



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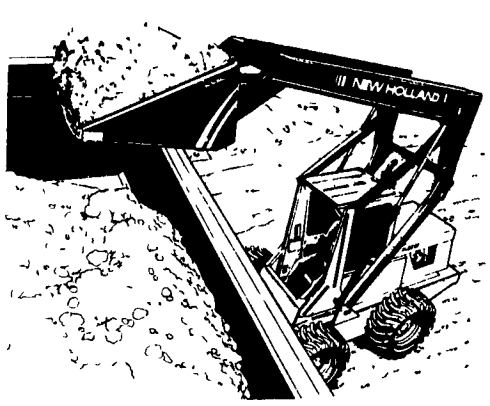

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Goodbye 1988...Hello 1989...

(Continued from Page A1)

inquiries about the lives of families we featured in articles so we hope you enjoy an update on their lives.

Sam & Kathy Doak

Sam and Kathy Doak, herdsmen from Bernville, are on the move again. They were offered a farming job in Chester County. After months of planning, packing and finalizing their current employment, their potential employer terminated the agreement six hours before moving date. The owner decided to sell instead of hiring help.

"Half my stuff was already loaded on the truck," Kathy reported. "It was devastating."

Said Kathy, "We'd like to remind farmers that hired help has feelings, too."

Fortunately, Sam was offered numerous other jobs. Kathy recounts, calls came from as far away as Ohio by farmers saying: "We heard Sam is the number one herdsman in Pennsylvania and a hard worker. We want him to work for us."

Such comments helped heal the Doaks' disappointment. They finally chose to work for a farmer in Lebanon County.

"In the end, everything worked out," Kathy reported.

They will be moving within a few weeks. And Kathy is estatic that she can quit working outside the home and assist Sam on the farm again.

Mel & Marilyn Nissley

One couple, Mel and Marilyn Nissley of Elizabethtown, whose

Treva Whorl

story appeared in the May 7 issue, "A New Way Of Thinking Brought A New Way Of Living," said that 1988 has been a relatively good year. They started the year out with a brand new baby, born December 31 just in time for a tax deduction. Marilyn said, "Watching our baby grow has been a highlight for the whole family."

The Nissleys just returned from vacationing in St. Thomas. They said, "We found it refreshing to get away from daily pressures and are looking forward to vacationing in Hawaii later in the winter."

The Nissley's anticipate becoming more directly involved in farming during 1989. Marilyn said, "We also look forward to spending more time with the children the Lord has blessed us with and to watching them mature and becomes servants of the Lord's."

Dean and Mary Ann Hoover, Lebanon, reflect on old and new friendships that made 1988 special.

Glen & Shirley Sauder

Shirley Sauder, Manheim, who donates many hours quilting for benefit sales and other projects, and who was part of the family featured in the cookie baking project on December 3, was quick to rejoice, "We were blessed with a harvest despite the severe dry summer weather."

She, her husband Glen, and two sons are looking forward to an addition to their family in March.

Treva Whorl

Treva Whorl, who leads an active like in York, said, "It's been a busy, busy year."

She's part of the Society of Farm Women. She explained, "Our motto is doing for others and happiness, and that keeps me busy and happy." She is busy with church activities and, one day a month helps serve street people in York.

She works in her own beauty shop three days a week and said, "I have four married children and seven grandchildren."

The Worls welcome 1989 by celebrating serving the Lord and having the family together."

Richard & Betty Gerlach

Richard and Betty Gerlach not only survived the midwestern farm crisis (featured in the June 11 issue) but also have experienced a successful transition to the Lancaster area. One of the highlights of their year was seeing their son Nelson, who still has farming on his heart, exchange places with their oldest son James, who farms in Missouri. During his stay, Nelson enjoyed harvesting corn, beans, and honey. He repaired fences and bought two quarterhorses to train for the rodeo. The crops in that area had less than one inch of rain during the entire growing season. James, who farms organically, harvested 15 bushels per acre while conventional farmers topped at six bushels.

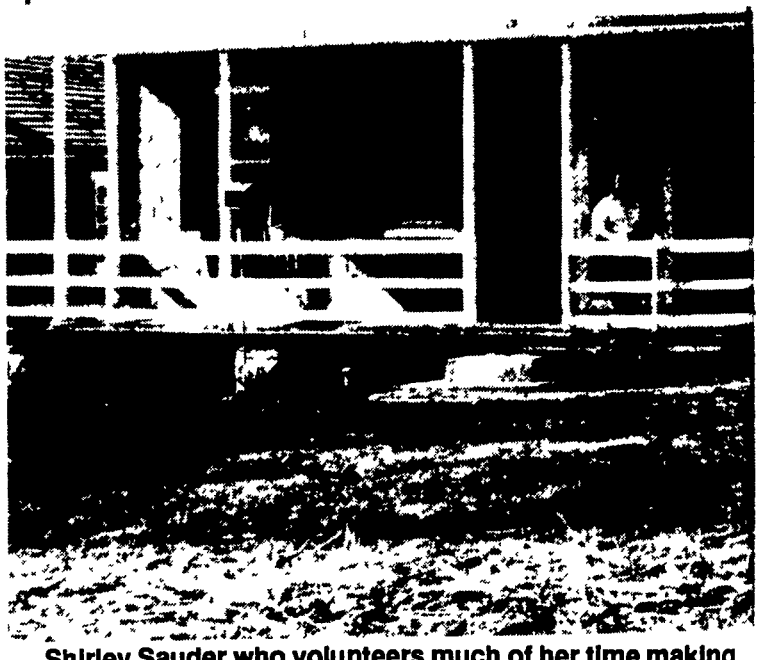
More recently, Nelson got an offer to live on a 40-acre farm in Manheim where he will work the land.

Betty said, "It's a delight to see our children walk with God. With three chidren, life is full of surprises." James announced his engagement on Christmas Day. Daughter Carolyn had a dream fulfilled by vacationing in Hawaii with a friend.

The Gerlachs expect 1989 to be a great year. One question they are asked the most is will they build a new house since Richard now earns a living in carpentry. They respond, "At this time, we find more fulfillment in giving to others rather than building our own dream home. We are content where we are (renting) and have no plans to build."

Not only did the Gerlach family survive the midwest farm crisis but also they have adjusted well to Lancaster County.

Remember Wayne and Joanne Erb from Mount Joy? They're the couple who hand out monster cookies to celebrate the birth of a boy, and sugar and spice if it's a girl.



Shirley Sauder who volunteers much of her time making quilts is looking forward to a new baby.

Dean & Mary Ann Hoover

Remember the Hoover brothers who form partnerships to dissolve? Well, Dean and his wife Mary Ann said this past year brought much fulfillment in both old and new friendships that are part of their lives. Of special joy was visiting with close friends who returned from Africa after a three year mission stint.

Their daughter's story, "A New Home For Maria," was featured in the September 24 issue. The Hoovers hope to adopt another child from Korea in 1989 and to vacation at places they've never been before.

Wayne & Joanne Erb

Remember the couple who had three boys? They celebrated their births by handing out Monster cookies. Finally, this year, they received a chance to hand out a sugar and spice cookie when their baby girl was born. "It's great having a girl," Marilyn reports.

The Erbs aren't sure what the future holds, but they said, "We're trusting the Lord to show us the way."

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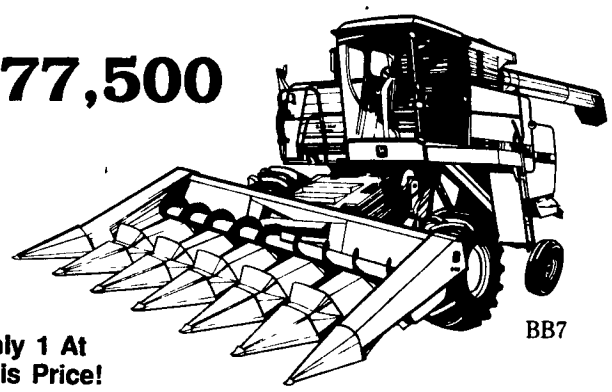

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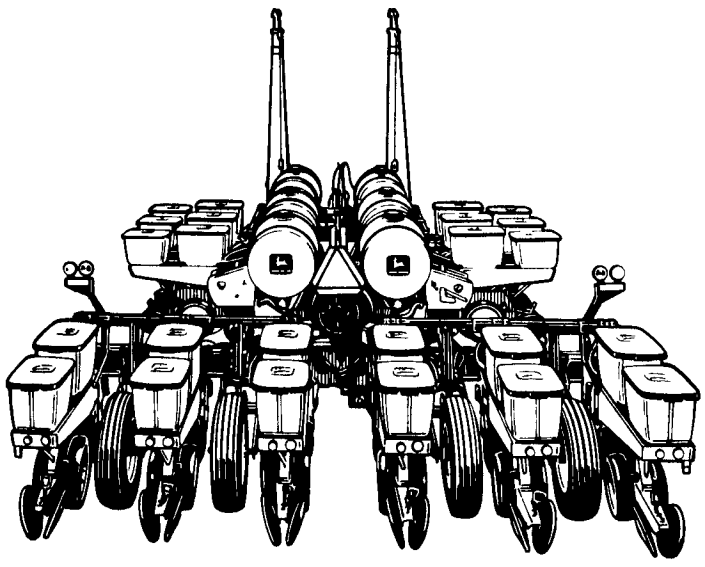

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Wegman Markets Signs "Real" Seal Agreement

SYRACUSE, NY — Wegman's Food Markets Inc. recently signed the "REAL" Seal agreement with the American Dairy Association and Dairy Council (ADADC). Under this agreement Wegman's will place the "REAL" Seal on all their Wegman's brand real dairy products.

The "REAL" Seal program can be of great benefit to participating retailers as a customer relations tool. It allows supermarket shoppers to quickly identify real dairy products from imitations. According to Michele Martens, consumer promotions manager for ADADC, "Retailers with the 'REAL' Seal are providing a service to their customers. Shoppers can select their purchases more quickly and be guaranteed of buying real dairy products, not imitations."

Since its institution in 1980, the "REAL" Seal's recognition has increased dramatically. In a recent study, the "REAL" Seal scored a 67% recall rate among consumers tested.

The "REAL" Seal, which is a symbolic drop of milk enclosing the word real, is featured in all of ADADC advertising, appearing on billboards and television promoting "Milk...America's Health Kick."

Wegman's is a Rochester based supermarket chain with approximately 40 stores, covering upstate New York from Syracuse to Buffalo.

ADADC is a dairy promotion association funded by 20,000 dairy farmers from New York, New Jersey and Pennsylvania.

Helping Others

(Continued from Page B16)

Instead of saying: "I have some information on stress relaxation I would like to share with you."

Try: "I attended a workshop where I learned a quick and easy way to relax and lower my blood pressure. If you're interested, I would love to demonstrate it to your sometime."

There are people who will appreciate a more direct approach. For example, you could say: "I know you have been caring for your Mother lately and I recently learned a way to help someone out of bed without hurting them or me. If you are interested I'd like to set up a time in which I could demonstrate this for you."

VIP trainees are also given some basic guidelines on teaching adults.

1. When making the arrangements to meet with a family member. it is important to keep "atmosphere" and "environment" in mind.

2. If a family caregiver has several areas in which she needs help, it is often useful to teach first the area that is most important to her.

3. Learning is reinforced when more than one sense is used at a time.

4. Adults learn best by "doing."

5. Most adults have an attention span of no more than 40 minutes.

6. It is important to match your speed of teaching to their speed of learning.

7. Treat the caregiver as an equal adult.

Anyone interested in becoming a VIP should contact their local Extension Office to see if the training is available in their county.

Update On Child Care

CREAMERY (Montgomery) — A three session course for persons employed in the child care profession is being offered by Penn State Cooperative Extension. The course will meet on January 17, 24, and 31, 1989 at 7:00 p.m. in North Wales. Registration is required and the cost is $25 per person.

Topics at the first session will include "Setting Limits and Consequences" and "Child Care Practical Pointers." The second class will cover "More than 1,2,3,"--- early math skills for toddlers through age five, and "Tunes for Tots"-- new ideas for using music with young children. The final session will focus on "Learning Through Play" and will be presented by the Leonard Gordon Institute for Human Development Through Play.

For more information, contact the Cooperative Extension office in Montgomery County (489-4315) or Bucks County (345-3283) and request a brochure.

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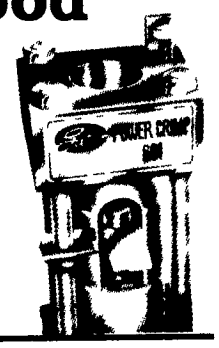

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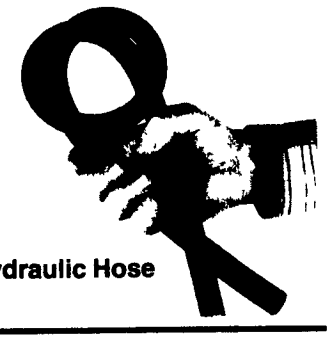

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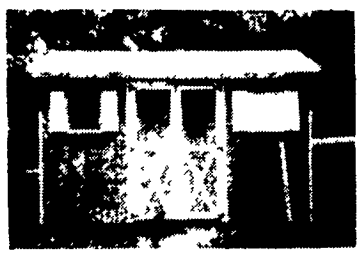

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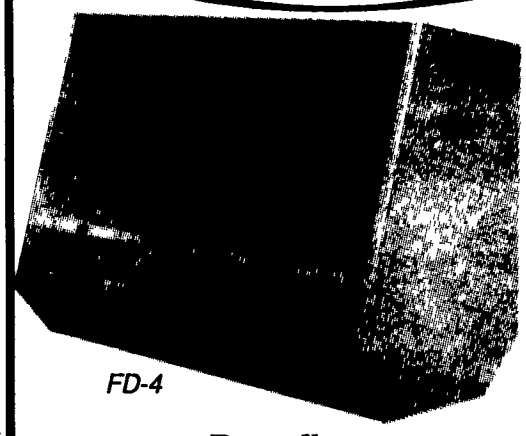

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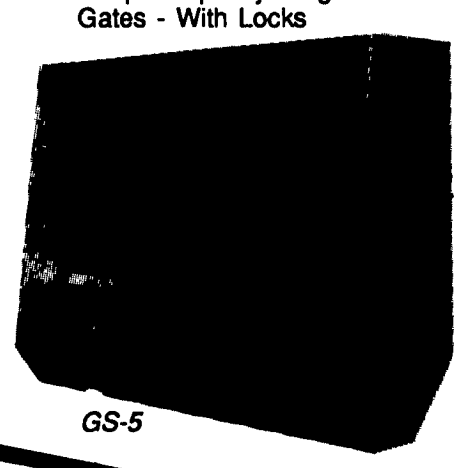

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Seed Availability Requires Planting Adjustments

RACINE, WISC. — As corn growers plan for the upcoming planting season, they should be aware that seed availability will likely require changes in usual planting procedures. The 1988 drought and other factors have affected both the size and quantity of seed corn for 1989 crops.

For most farmers, this means the seed sizes they normally plant may not be available, or they can only be obtained at a higher cost. This does not have to be a major problem, however, if growers plan ahead and make sure the equipment they have will handle the seed they order.

This year, a larger percentage of higher-performing hybrid seed will be available in smaller sizes. One reason is that farmers have passed over some hybrids in recent years because they were only available in smaller sizes. These carryover supplies and the drought-stunted 1988 crop make it more likely that seed for 1989 planting will be smaller.

Size doesn't affect performance

Although many farmers have become accustomed to planting only medium flats, they may be limiting their options by keeping with tradition. Research by universities and seed companies has shown that seed corn size does not affect yields or emergence. "Since large and small kernels of the same hybrid are identical genetically, there should be no difference in performance if there is good quality control," according to Dr. Garren Benson, extension agronomist at Iowa State University. Many seed companies offer discounts on smaller seed sizes, providing a cost savings as well.

Proper adjustment is crucial

The planter may be the most important factor in the performance of smaller seed. "Adapting your planter for various seed sizes doesn't have to be expensive or time-consuming," says Joe Neville, Case IH product director for implements. "Most planters, with a few adjustments or some new plates, can do a good job with any size of seed. Of course, normal maintenance is also important."

Careful maintenance will reduce the problems caused by seed size variation. Air planters can be adjusted easily to take into account the size of the seeds to be planted. On the Case IH Cyclo® Air planters, for example, the air pressure and brush settings should be adjusted to the size of the seeds. On plate planters, seed size should be properly matched with seed plates.

Many farmers this year will be planting seed corn that is smaller than they normally use. Air planters like the one shown can be adjusted easily to match the size of seed to be planted.

For general maintenance, Neville suggests starting with the metering mechanism. The seed selection mechanism should be examined for worn or broken parts.

On air-type planters:

- Check for damaged or poorly fitting seals that could cause air pressure leaks.
- Clean seed tubes by pulling a cloth through the tube. This rids the tube of foreign material which can create stoppages.
- Inspect the seal around the seed drum and the rubber seed release wheels. Replace if cracked or worn.
- Check seed cutoff brush and brush rollers for wear. Replace with complete assembly if necessary.

On plate-type planters:

- Replace worn or sticky cutoff pawls and knockout rollers. Be sure that the pawls work freely and that the springs are in good condition.
- Check the center bearing for wear. A worn bearing results in excessive play between the seed plate and the sides of the hopper bottoms. This causes variation in the size of the cell.
- Empty the hopper periodically to remove dirt, dust and chaff accumulations which can hamper smooth operation of the hopper parts.

Soybean growers this year may also be faced with shortages of more popular varieties, since the drought reduced yields in many areas of the Midwest. Good quality seed may be in short supply, so soybean growers should order early.

Higher seed prices and reduced supplies of some types of seed will make accuracy more critical than ever this year, but with the proper preparation, growers can be certain their equipment will efficiently plant the seed that is available.

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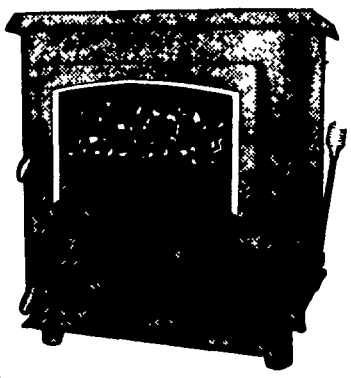

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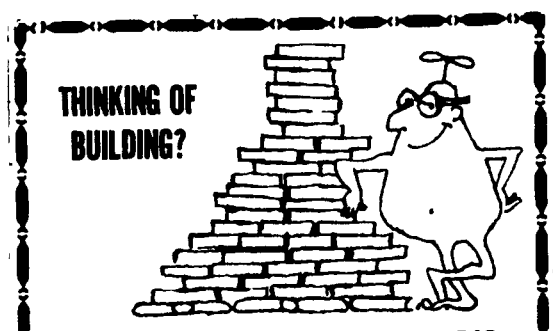

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7- Livestock Equipment
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10- Sheep & Goats
11- Swine
12- Artificial Breeding
13- Hog Eq. & Supplies
14- Poultry & Supplies
15- Feed & Seed
16- Fertilizer
17- Plants
18- Fruits & Vegetables
19- Nursery
20- Lawn & Garden
21- Services Offered
22- Custom Work
23- Help Wanted
24- Situations Wanted
25- Business Opportunities
26- Household
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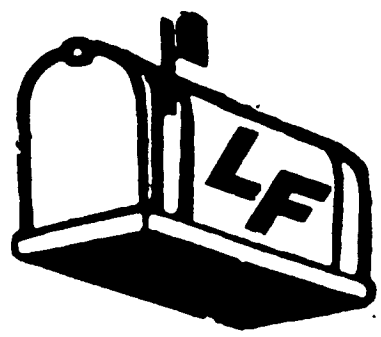

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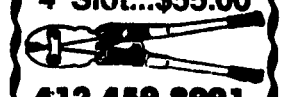

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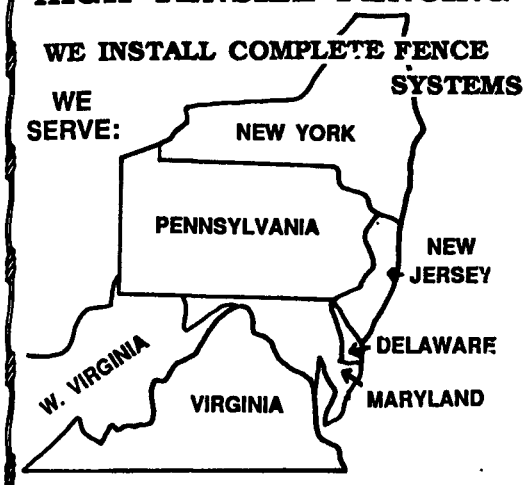

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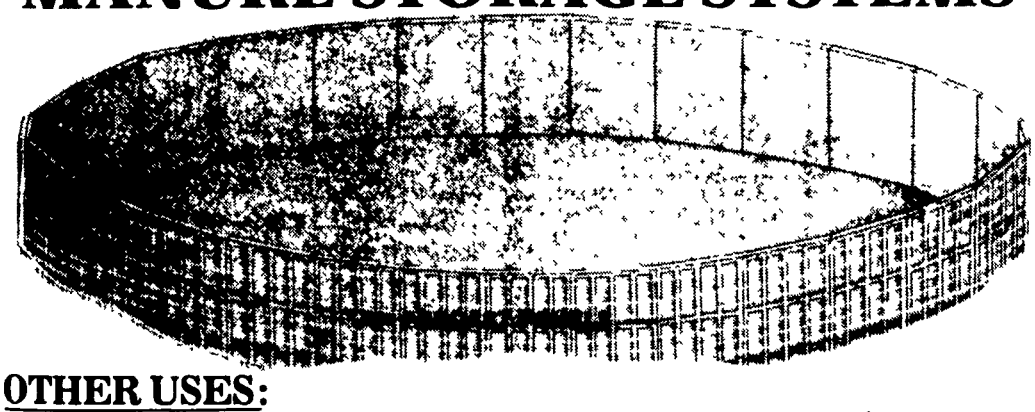

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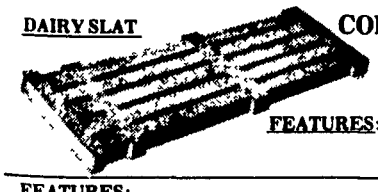

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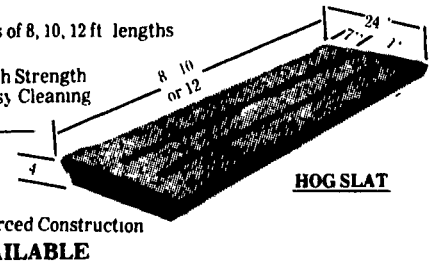

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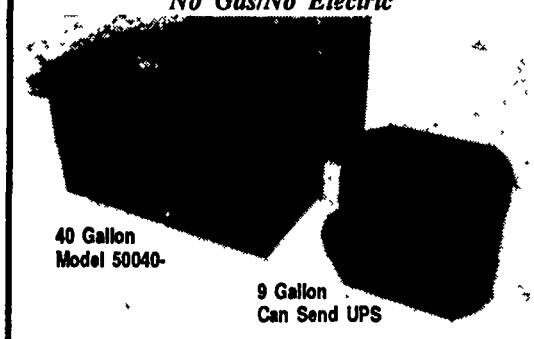

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FOR SALE: 4 Limousin/Angus club calves born June, July. Excellent confirmation (Black and Red) 215-869-9888.

FOR SALE: Service age red & white Holstein bull by Jon Red. Dams 2 yr. old record 22,150M 781F. STUMPLAND FARM
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Polled Herefords. Two bulls, 3 bred heifers, 1 open heifer, some registered. Raised by a 4-Her. Delivery possible. Monmouth Co., 201-671-5199.

Purebred Holstein Bull for sale. 12 month old, Enhancer son, dam EX90 Valiant daughter, 29,180 3.9% 1124f, Gdam 29,090, 3.6%, 1049f. Delivery available. Lancaster Co. 717-285-7426.

Registered Holstein bulls, 1 year old and younger. Out of dams with records up to 28,000 milk and 1100 fat. Stump Acres, 717-792-3216, York County.

Registered Polled Hereford yearling bulls. Progressive AI breeding. Farmer priced. 814-237-0286.

Registered Jersey fresh & springing heifers, top pedigrees, accredited herd, 717-359-7542.

Registered Angus bull, 12 months old. Son of Broadway. Call any time 301-771-4612.

Reg. Polled Hereford Bulls. Calves to 2 year olds. $550 & up. Also, bred cows. 215-756-6011.

Service age registered Holstein bulls by Pete, Star, Astronaut, Glendale, Chief and others. Dams classified Very Good with records over 29,000 lbs. milk and 1,195 lbs. milk fat.
STUMPLAND FARM
215-488-1965

Simmental bulls, heifers & cow calf pairs, quality genetics. Call or visit, Lakeview Simmentals, Woodstock, VA. Only 3 minutes from I-81. 1-800-541-7496.

Two limousin 4-H steers, 550 pounds, red and black. Phone(717)243-1281.

Very nice large grade Holstein heifer, bred AI, due Jan. 10th. $1,075. 717-653-8703

WANTED-Herd of Cows or bred and open heifers. 301-358-0412.

WANTED: Holstein heifers, breeding age or shortbred. 717-684-8780

WATTS LOGAN SPRING ANGUS: Specializing in practical, good-doing registered Angus. Come see or call for information. 814-742-8118 or 742-7476. Write Box 10, Bellwood, PA 16617-0010.

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Wisconsin and Canadian Dairy Cows For Sale: 1st, 2nd, and 3rd calf. Fresh and close springers. Cash, or credit with down payment. Specialize in selecting cows for customers. Free delivery. Reuben Greenberg, Inc., Columbus, New Jersey 08022. Phone 609-298-1021."

For Sale: Herd of young Holstein cows. AI breeding. Milking 50# per day. 301-578-1224 between 8-10 p.m.

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For Sale: Registered Holstein bulls. Popular sires. Dams 20,000M to 32,000M. Shelmar-Acres 717-653-5663.

For Sale: Service Age Bulls, some Dunwood bred, good size & pedigrees. 717-367-2536.

For Sale: 25 Grade Holstein Springers due Feb. All calfhood vaccinated, all AI bred to proven triple plus calving ease bull. 717-684-6500, 717-285-3797.

For Sale: Angus Bulls ready for service. Stump Acres, 717-792-3216, York Co.

For Sale: Fresh & Springing Cows & Heifers, Registered & Grade. Outstanding Pedigrees. 717-367-2536.

For Sale: Group of registered young cows and heifers. Fresh or close. Good production. Chester Co. 215-273-9666.

20 Head of pet beef cows, will have calves in Feb. & March
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FOR SALE
50 dairy cows, mostly registered, 33 heifers in various stages, RHA 17,000+, BF 3.8. Selling complete herd. Plus 100 ton alfalfa hay, 100 ton ear corn, approx. 300 ton silage.
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Herd of 50 Holstein cows, 4 milking 1st calf heifers, 1 mature cow & 45 open & bred heifers, mostly bred to steady bull.
Southern Chester Co.
Ask For Mike or Mary Lou
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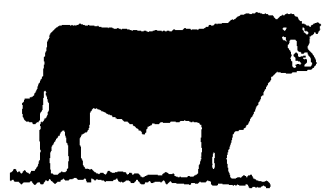

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FOR SALE
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WANTED
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Registered or Grade
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30 cow herd, mostly fall cows, fresh cows milking to 100 lbs., 1st calf heifers to 75 lbs., 4% average. All very good udders.
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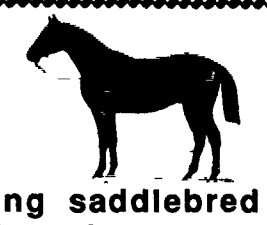

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Wishing You A Wonderful New Year!

9 HORSES & MULES

2 Belgians: Stallion, 18h., sorrel w/beige mane & tail, $1750/neg.; Mare, 17h., bred, roan, $1000/neg. 201-454-3333.

3 yr. old Belgian mare, broke, eligible to register. Also 2 yr. old Belgian gelding and 2 stud colts. Steven Fisher, RD1, Box 114, Lincoln University, Pa. 19352.

For Sale: A pair of coming 4 year old Belgian Geldings, half brothers, ready for work. John L. Fisher, 38 S. Belmont Rd., Paradise, Pa. 17562.

For Sale: One pair of Sorrel work horses, good broke, (717)656-6712.

For Sale: One 6-mo. old donkey, one Gray Jack, one 3-Yr old gentle Gray Mare. 301-271-2010.

For Sale: One pair of Sorrel Mules, 4 years old, ready for work; 1 Molly mule, good broke, 5 years old. 1084 Noble Rd., Christiana, PA 17509.

Informal 2-wheel gig and harness for Cob size horse, both new & used only few times, $1200. Can be sold seperately. Virginia, 703-759-4315.

Morgan mare, 15.2+, 12 years, dark chestnut, white behind, trail safe $2000. 609-435-8903 eves.

Ponies for sale. (717)768-8080.

Pony gelding, 12 hands, broke to ride and drive. (717)733-9233.

Registered ¼ Arabian Gelding Roan, 8 yrs., competitive/trail jumps, reasonable to good home, Ph. 215-296-5968.

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10 SHEEP & GOATS

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Registered Angora goats small nurtured herd. Spring Hollow Farm, 215-285-2066.

Romney, Romney/Cross rams. White, colored. Small nurtured flock. Spring Hollow Farm, 215-285-2066.

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11 SWINE

12 Bred Gilts, York Landrace cross, got these from Reno Thomas, due Jan. 15. Earl Mazelin, Box 676. Port Trevorton, PA 17864.

13 purebred Yorkshire sows, 2 Landrace sows, three are registered, 2 Landrace boars, 1 Yorkshire registered boar, most are bred for March. $150/each. Must take all. 717-282-0390

Duroc, Yorkshire, Spotted, Chester White & Landrace Boars, Open Gilts and Bred Gilts. Calvin Lazarus and Sons, 4290 Bridge Street, Whitehall, PA 18052. 215-799-3375 or 3831.

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FOR SALE-Yorkshire Service Boars. Elwood E. Houser, 2150 Quentin Rd., Lebanon, PA 17042. 717-272-5798 or 273-2921.

For Sale: Hampshire & Berkshire Boars, and Open Gilts. Will Deliver. Todd & Terry Bennecoff. 215-285-6582

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Breeding Swine Sale
80 Head Of High Quality Breeding Stock
50 Bred Gilts - 20 Open Gilts - 10 Boars
Saturday, January 21, 1989
1:30 P.M. Day Sale - Delivery Available

"Sale Catalogs Available Upon Request Only"

50 Bred Gilts Pure Landrace, Pure Duroc + Land Duroc Hamp Cross Due Jan., Feb., Mar.
20 Open Gilts Pure Landrace, Pure Duroc + Land Duroc Cross
10 Boars Pure Landrace Pure Duroc + Landrace Duroc Cross Ready For Service

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AUCTIONEER: Harry H. Bachman AU-000-33-L
Ph. 717-867-1809

Sale Held Rain or Shine
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Bred Gilt Sales - January 9th & 10th Consigning high quality Duroc & Yorkshire Bred Gilts Sired by & carrying service to top test station boars. These Gilts are due to farrow from Jan. 19th thru March 8th. FREE daily delivery to Farm Show Building.

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  * Selected on litter size and underlines
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Small Arena
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Catalogues Available At Farm Show Or By Request Only From Harry Bachman 138 College Ave. Annville, Pa. 17003

SALE SCHEDULE

MONDAY, JANUARY 9, 1989		TUESDAY, JANUARY 10, 1989	
10:00	Polands	10:00	Hampshires
11:30	Chester Whites	11:30	Landrace
1:30	Berkshires	1:00	Yorkshire
2.30	Duroc	2:30	Spotted

Show Sat., Jan. 7
9:00 A.M.

Auctioneer
HARRY BACHMAN
138 College Ave., Annville, PA 17003
Tel. 717-867-1809

SHOULD BE REMOVED FOLLOWING SALE WHEN SETTLEMENT MADE

PA. CO-OP SWINE BREEDERS ASSN.

11 SWINE

Yorkshire Boars & Gilts
Joel Stern
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13 HOG EQUIPMENT & SUPPLIES

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Will be consigning several Hampshire and Yorkshire bred gilts at the 1989 Farm Show. Also service age boars and bred gilts due to farrow soon. Delivery available, validated herd.

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14 POULTRY & SUPPLIES

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Tuesday, Jan. 10, 1989
10 a.m.
The Compass Farm Will Offer 6 Hampshire Bred Gilts. The Sire Of These Gilts Is Driver, The Lima Summer Conference Class Winner. All Gilts Will Be Bred To Banker A New Herd Sire At The Compass Farm.

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32% liquid protein, wholesale/retail from manufacturer. Dealer inquiries invited. Call collect, 301-343-0343.

ALFALFA: 29 round haylage bales, third to fifth cutting $85-$130. On 12% DM basis, some to 24% protein, regular bales, dry alfalfa, some very excellent $90-$150. Can deliver. 717-569-2076 or 569-0737.

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For Sale: Clean Bright Wheat Straw, picked up or delivered. 717-872-4058

For Sale: Mulch Straw, Alfalfa Hay, 1st & 2nd cutting and Mixed Hay. 215-493-4900

For Sale: Nice bright oats for feeding. Stump Acres, 717-792-3216, York Co.

For Sale: Round bales corn fodder. 717-324-2841. M.L. Messner.

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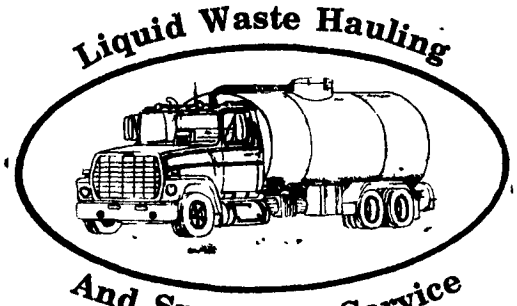

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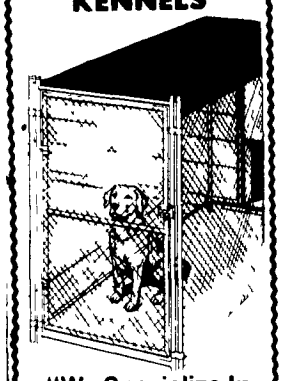

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32 MISCELLANEOUS

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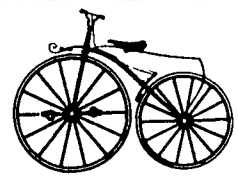

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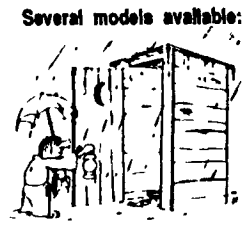

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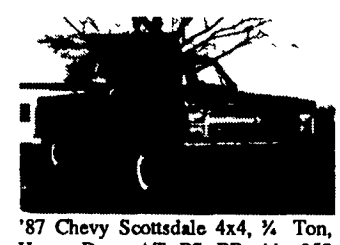
'87 Chevy 4x4 Silverado Crew Cab, Dual Wheel, AT, PS, PB, AM/FM Cass., Cloth Seats, 454 Eng., 30,000 Miles, Exc. Cond.
$14,800



'87 Chevy Scottsdale 4x4, ¾ Ton, Heavy Duty, AT, PS, PB, Air, 350 Engine, Cloth Seat, Gray, Excellent Condition, 11,000 Miles.
$11,950

Financing Available
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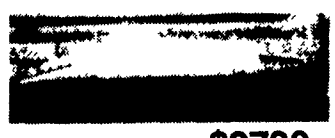

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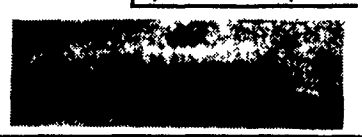

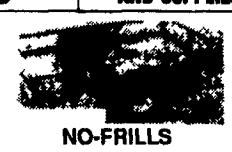

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DUNCANNON - Find the junction point of the Susquehanna & Juniata Rivers. We are on 22 & 322 at the west end of the Susquehanna bridge across from the Clarks Ferry Truck Stop

HOURS:
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79 Dodge ¾ ton pickup, 400 engine, PS, PB, auto., needs body work, $850. 717-949-3074, 703-879-9926 early mornings & late evenings.

'79 Chev. pickup, Scottsdale, silver/burgandy, V8, auto., PS, AC, one owner, excellent condition, $2,800. 215-857-3949 after 7 p.m.

1988 Mitsubishi motor, automatic transmission, radiator with 4,000mi out of 11,000 GVW, $2,800. (215)683-7943.

1987 Ford F250 XL super cab, 351 auto., PS, PB, air, AM-FM, dual tanks, 8,800 GVW, red & white, 11,000 miles, excellent condition, $13,500. 717-733-2873

1983 Delorean stainless steel body, 5 speed overdrive, 1,400 miles, $23,500. (717)865-7447.

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INCLUDES: 126 HP Turbo Diesel, 5-Speed, Power Steering, Power Brakes, Tilt Steering, Exhaust Brakes, 33 Gallon Fuel Tank, Radial Tires, 13.250 GVW. Mount the body of your choice. Stk. #3059

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18x7' Moritz gooseneck stock trailer, medium blue, 2 slat w/big slider window, 7.50x16 rubber, list $5,815.; special sale price, $4,815. Only one left. 717-597-5611

1940 Chevy pickup, needs restoration, best offer. Daytime, 717-575-1591. After 6pm, 717-626-6980

1973 Ford Cattle Truck w/350 engine, 4-speed, PS, good shape. Stump Acres, 717-792-3216, York Co.

1978 GMC Brigadier, 238 Detroit, 5 spd/2 spd rear, P/S, air brakes, 10.00 tires, 151" CA, clean! $8,500. Firm. 609-769-3183

1979 GMC Brigadier C&C 204WPa. 138 CA. 3208 Cat 5SP trans. 2SP rear 35,000 GVW, PS, air, brakes, AM/FM radio, excellent condition $10,500. 717-367-1252 or 653-1087.

1979 IH triaxle dump truck, 8V92 Detroit 430HP, 19½' alum. dump body, 11-24.5 tubeless radials in good condition. (717)426-2431.

30' aluminum feed dump trailer with 6' sides, roof and air lock, $8,900 (717)649-5992.

'85 Chevy C20 Suburban 9 passenger, 350 4 spd., PS, PB, AM-FM, 38,000 miles, $7,900. 717-733-2873

'86 Chevy HD C20 pickup, 350 auto., PB, PS, air, AM-FM, cruise, 29,000 miles w/fiberglass topper, Class III hitch, 8,600 GVW, excellent condition, $8,975. 717-733-2873

'86 Chevy HD C20 w/new Reading utility body, 350 4 spd., PS, PB, AM-FM, 8,600 GVW, excellent condition, $9,400. 717-733-2873

'86 Dodge 250 HD, ¾ ton, 4x4, 360 4 spd., PS, PB, AM-FM, 8,510 GVW, 7,000 miles, like new, $9,800. 717-733-2873

'86 Ford F250 ¾ ton pickup, 300 6 cyl, HD 4 spd., PS, PB, AM-FM, 36,000 miles, $7,600 717-733-2873

'86 Ford F250 ¾ ton, 300 6 cylinder, HD 4 spd., PS, PB, AM-FM, $6,900. 717-733-2873

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Good Cond., Good Tires, 8 Ft. High, 45 Ft. Long
1972 WHITE
10 Wheeler, 3 Axles Trucks, With Prentice 120 Ldr.
In Good Cond.
1972 FRANKLIN
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Good Cond.
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'86 Ford XL F250 Super Cab, 300 6 cylinder, 4 spd., PS, PB, cruise, tilt, AM-FM cassette stereo, dual tanks, 8,800 GVW, 31,000 miles, excellent condition, $10,500. 717-733-2873

'87 Chevy C30 dual whl. w/9' Stahl utility body, 350 4 spd., PS, PB, AM-FM, 500 miles w/factory warranty, like new, $13,900. 717-733-2873

'87 Chevy C20 w/new Reading utility body, 350 auto., PB, PS, 8,600 GVW, 17,000 miles, like new, $12,500. 717-733-2873

'87 Chevy HD C20 ¾ ton, 350 4 spd., PS, PB, AM-FM, 8,600 GVW, dark blue, $7,900. 717-733-2873

'87 F150 Super cab, XL 300, 6 cyl., fuel injection 30,000, $7,400. Walker's, Somerset Co., 814-893-5589.

'87 Ford F350, 6.9 diesel, 5-speed transmission, 11' alum. bed, 5th-wheel setup. (215)267-8116, leave a message.

'88 Chevy C30 dual whl. w/12' Reading stake body, 350 4 spd., PS, PB, new w/factory warranty, $13,500. 717-733-2873

'88 Chevy C30 Silverado, dual whl., 4x4, 454 FI, auto., PS, PB, PW, PDL, cruise, tilt, air, trailering package, AM-FM cassette stereo, 11,000 miles, like new, $16,900. 717-733-2873

'88 F150 300 6 cylincer, fuel injection, 4 WD, 5 speed, 10,000 miles, $9,300 cash. Walker's, Somerset Co., 814-893-5589.

'88 Ford F250 ¾ ton Super cab, 300 6 cyl, EFI, 5 spd., PS, PB, AM-FM, dual tanks, 8,800 GVW, 18,000 miles, $11,500. 717-733-2873

'88 Ford F350 4 door crew cab, 460 EFI, 4 spd, PS, PB, air, AM-FM, dual tanks, 9,200 GVW, 6,000 miles w/balance of factory warranty, like new, $14,800 717-733-2873

Cinder spreader box for large SA dump, complete, own engine, controls to cab, $1200; 5th wheel stock trailer, 22' long, $1200. 215-294-9548, Bucks Co.

Covers for anything TIRONIE'S TARPS 717-584-2928 anytime.

FOR SALE: (2) double deck livestock trailers. (1) 1974 Wilson 43'; (1) 1978 Wilson 44'. Both have new tires & brakes. Ready to go. 717-673-3448.

For Sale: 1985 Wrl-Ro Gooseneck cattle trailer, 6x16, good condition, $2,300. 717-866-6167.

For Sale: 74 White Road Boss, less than 100,000 miles on motor, 318 D.D. 10-speed, 34,000# rears, $4,800. 717-469-0434.

For Sale: '75 IH 1800 load star, 392 engine, 5speed, good condition, 17' twin hoist w/haysides, new 10 20 tires and paint. Call evenings (215)682-6621.

For Sale: INT 2110 lime truck, 10' Stoltzfus lime or fertilizer spreader, oil motor driven, new paint and tires, in excellent running condition. (215)682-6621.

For Sale. Transfer Trailers, all sizes; Demolition Dumps; Used trucks, agricultural dump bodies & trailers, economy grain dumps, rollbacks & log trailers. Keith walking floors, sold & serviced. 814-623-9696 or 814-623-8696

1978 Int. 24' rollback truck w/95,000 miles, real nice condition.

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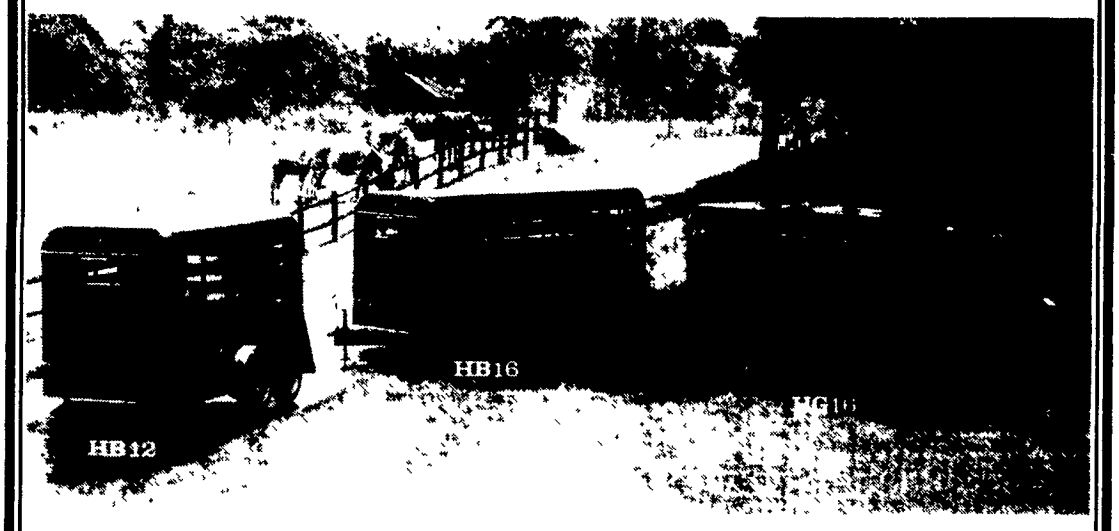

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1981 GMC GENERAL TRACTOR
435DD, 13 Speed, Rayco Supsension, 11x24.5 Tires, 212 WB, Sleeper
NORMAN D. CLARK & SON
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79 Mack Cab Over Twin Screw
375 HP, 10 Speed, A/C, PS, Air Ride Cab, Good Running Truck.
$7,800
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NEW 16'x6' Gooseneck Cattle Trlr., 10,000 GVW, 16" 8 Lug Wheels On Tor-Flex Axles
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Newmanstown, PA 17073
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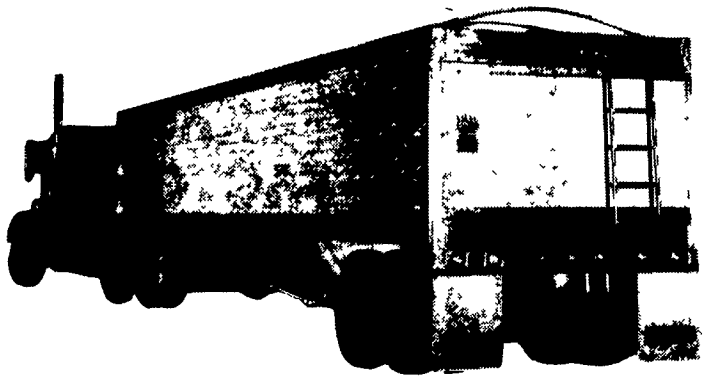
NEW

REDESIGNED 1989 TIMPTE GRAIN HOPPER



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1988 GMC 3500 Sierra SLE, extra cab camper special, 350 FI, 4 spd., PS, PB, air, AM-FM, 8,600 GVW, blue & silver, 4,000 miles w/balance of factory warranty, like new, $14,500 717-733-2873

1988 Mitsubishi radiator, turbo diesel motor and auto. trans., 4000 miles, out of 11,000 GVW truck, $2800. 215-683-7943.

New 366 Chevy truck motor, $1,300

Belhousing, fly wheel, clutch & PP, $300

Stainless steel exhaust manifolds, $150/pair

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- 28' Eby
- 22' Barrett

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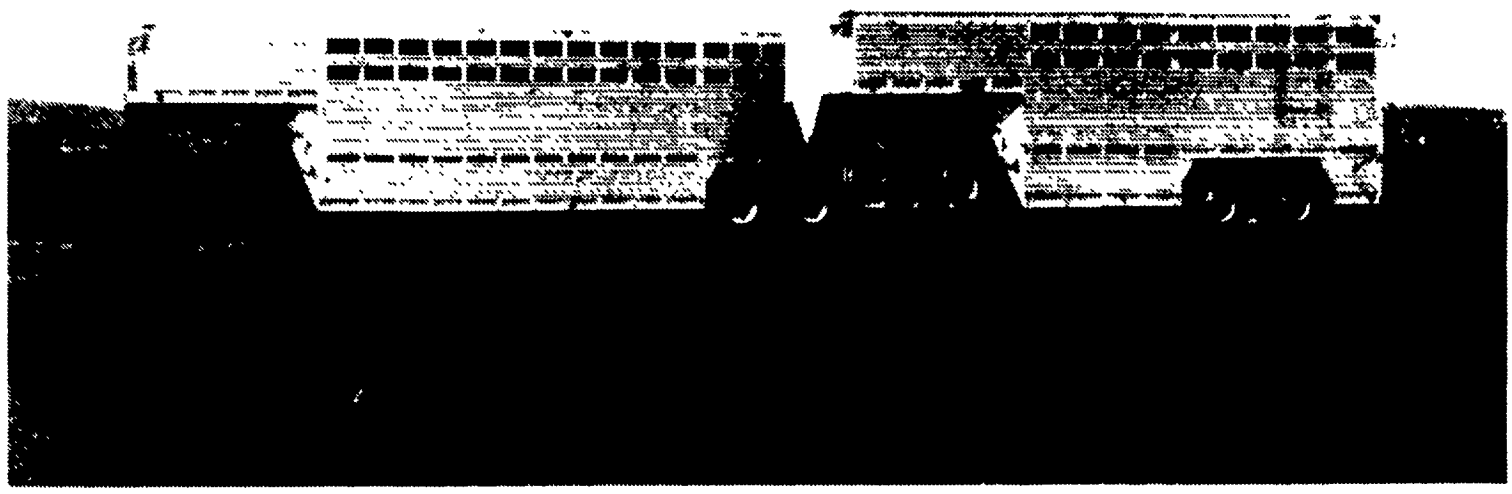

24 foot Ruff Neck trailer on left is Eby's workhorse. Trailer on the right is an economical, 16 foot Wrangler.

Get outstanding value in EVERY Eby trailer.

Whether it's a top-of-the-line Ruff Neck or an economical Wrangler, you know your livestock trailer is built to last if it's from Eby.

Aluminum construction is one of the main reasons these trailers are so durable and reliable. They'll never rust through or need welding. In fact, without ever being painted, an Eby livestock trailer will stay looking new for years.

Standard features make your Eby trailer a profitable investment. Extra-heavy axles, brakes, wheels and tires. Thick aluminum sheet flooring. Sturdy posts and rails. Even an aerodynamically designed front end is standard.

And, while standard features make even the economical Eby Wrangler far more than an average economy-model, we custom-build everything we make. So you tell us what **you** want. Choose from a long list of options. Select those features you need for your particular operation. Whether it's a Wrangler or deluxe Ruff Neck, the trailer you buy will be the trailer you need.

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1989 CHEVROLET, PONTIAC, BUICK AND CHEVY TRUCKS	Window Sticker	KLICK-LEWIS FACTORY INVOICE PRICE Delivered price includes std equipt GM Adv fee and freight	Option Package 1 or A	Option Package 2 or B	Option Package 3 or C	Option Package 4 or D
CHEVROLET						
Caprice Classic 4 dr	14,950	**13,164.04**	602 65	1674 50	n/a	n/a
Caprice Classic Brogh	16,120	**14,185.75**	421 60	1913 35	n/a	n/a
Caprice Class Wagon	15,530	**13,670.58**	201 45	1261 40	1991 55	n/a
Celebrity 4 Door	11,945	**10,534.19**	455 60	786 25	1030 20	n/a
Celebrity 4 Door Wagon	12,375	**10,909.28**	470 90	941 80	1214 65	n/a
Corsica 4 Door Notchback	10,410	**9,490.61**	-218 45	465 80	680 00	n/a
Corsica 4 Door Hatchback	10,800	**9,842.88**	-225 25	459 00	673 20	n/a
Corsica LTZ Sedan	13,250	**12,054.73**	-226 10	11 90	n/a	n/a
Beretta 2 Door	11,000	**10,023.48**	-347 65	166 60	274 55	n/a
Beretta GT 2 Door	13,110	**11,928.71**	-470 90	-362 95	n/a	n/a
Cavalier 2 Door Coupe	8,820	**8,306.59**	2 55	122 40	742 90	1063 35
Cavalier 4 Door Sedan	9,020	**8,493.19**	2 55	122 40	742 90	1169 60
Cavalier 4 Door Wagon	9,400	**8,847.93**	7 65	127 50	845 75	n/a
Cavalier Z24 2 Door	11,750	**10,700.23**	127 50	561 00	947 75	n/a
Camaro RS Coupe	11,934	**10,868.04**	-803 25	158 95	351 90	n/a
Camaro IROC-Z	14,584	**13,260.49**	-803 25	201 45	803 25	n/a
Corvette Hatchback	32,045	**27,456.44**	965 29	n/a	n/a	n/a
Corvette Convertible	37,285	**31,926.76**	965 29	n/a	n/a	n/a
Spectrum 4 Door	8,110	**7,769.30**	STD	391 53	589 62	981 15
Spectrum 2 Door	7,610	**7,294.30**	STD	391 53	589 62	981 15
PONTIAC						
LeMans Aero Coupe	6,714	**6,347.08**	n/a	n/a	n/a	n/a
LeMans LE Sedan	8,314	**7,803.08**	n/a	n/a	n/a	n/a
Sunbird LE Sedan	9,374	**8,555.46**	198 05	280 50	658 75	n/a
Sunbird SE Coupe	9,524	**8,690.41**	198 05	280 50	653 65	n/a
Sunbird GT Coupe	11,824	**10,767.31**	227 80	387 60	689 35	n/a
Grand AM LE Coupe	10,894	**9,927.82**	346 80	411 40	569 50	945 20
Grand AM SE Sedan	14,224	**12,934.51**	430 10	539 75	n/a	n/a
Firebird	12,438	**11,323.11**	-281 35	116 45	n/a	n/a
Firebird Formula	14,388	**13,084.46**	-612 85	-464 95	n/a	n/a
Trans Am.	16,438	**14,935.11**	407 15	725 05	n/a	n/a
6000 LE Wagon	14,219	**12,519.65**	514 25	735 25	961 35	n/a
6000 SE Sedan	15,849	**13,942.34**	202 30	n/a	n/a	n/a
6000 STE	23,049	**20,227.94**	n/a	n/a	n/a	n/a
Grand Prix Coupe	14,354	**12,637.84**	155 55	159 80	321 30	n/a
Grand Prix SE	16,454	**14,471.14**	221.00	491 30	n/a	n/a
Safari Wagon	16,164	**14,204.72**	341 70	1218 90	n/a	n/a
Bonneville LE Sedan	15,334	**13,499.43**	220 15	368 90	1126 25	1524 05
Bonneville SE Sedan	17,704	**15,568.74**	232 90	573 75	980 05	n/a
Bonneville SSE	23,404	**20,544.84**	n/a	n/a	n/a	n/a
BUICK						
Skyhawk 4 Door	9,710	**9,137.06**	STD	524 45	566 95	605 20
Skyhawk 2 Door	9,710	**9,137.06**	STD	524 45	524 45	562 70
Skyhawk 4 Door Wagon	10,655	**10,018.29**	STD	524.45	609 45	647 70
Skylark Custom 4 Door	11,540	**10,510.70**	STD	489 60	871.25	1109 25
Skylark Limited 2 Door	12,770	**11,621.09**	STD	n/a	515 10	1017 45
Century Custom 4 Door	12,879	**11,349.23**	STD	595 00	1007 25	1382 95
Century Custom Coupe	12,649	**11,148.74**	STD	595 00	956 25	1268 20
Century Estate Wagon	14,406	**12,683.03**	STD	n/a	1037 00	1598 85
Regal Custom 2 Door	14,869	**12,912.68**	STD	145 35	646 85	771 80
Regal Limited 2 Door	15,194	**13,370.76**	STD	317 05	990 25	1224 85
LeSabre Custom 4 Door	15,835	**13,936.79**	STD	525 30	883 15	1350 65
LeSabre Limited 2 Door	17,135	**15,071.69**	STD	912 05	1075.25	1353 20
LeSabre Estate Wagon	17,275	**15,193.51**	STD	739 50	1484.95	1725 50
Electra Limited 4 Door	19,075	**16,771.08**	STD	745 45	994 50	1327 70
Electra T-Type	21,875	**19,215.48**	STD	613 70	1099.05	1492 60
Park Avenue 4 Door	21,010	**18,459.98**	STD	289 85	885 70	1289 45
Electra Estate Wagon	20,410	**17,937.18**	STD	671 50	1048 05	1341 30
Riviera 2 Door	23,090	**20,276.02**	STD	369 75	714 00	1010 65
Reatta Coupe	27,250	**23,908.10**	n/a	n/a	n/a	n/a

CHEVY TRUCKS 1989 CHEVY TRUCKS	Other Dealers Window Sticker	KLICK-LEWIS FACTORY INVOICE PRICE Delivered price with std. equip. plus freight	Auto Trans MXO	Air Cond	AM/FM w/ Cassette	Tinted Glass
S10 2WD Fleetside 6 Ft	8,985	**8,201.41**	675 75	625 60	300 90	40 80
S10 4WD Fleetside 7⅓ Ft	11,455	**10,793.32**	675 75	625 60	300 90	40 80
S10 4WD Blazer	13,690	**12,453.72**	675 75	625 60	385 90	STD
V-Blazer 4 WD	15,905	**14,004.17**	675 75	663 85	279 65	STD
Suburban R20 2WD Tailgate	15,830	**13,945.86**	675 75	663 85	279 65	STD
Suburban V20 4WD Panel	17,585	**15,442.91**	675 75	663 85	279 65	STD
Astro CS Passenger Van	12,400	**11,294.70**	518 50	625 60	402 90	88 40
Sportvan G20 Series	13,671	**12,053.42**	412.25	768.40	394 40	88 40
Pickup C1500 2WD 6 Ft	11,085	**9,795.71**	675 75	663 85	385 90	40 80
Pickup C1500 4WD 8 Ft	13,100	**11,564.28**	675 75	663 85	385 90	40 80

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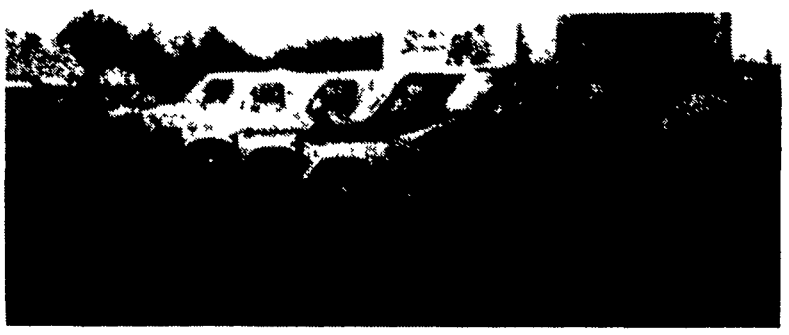

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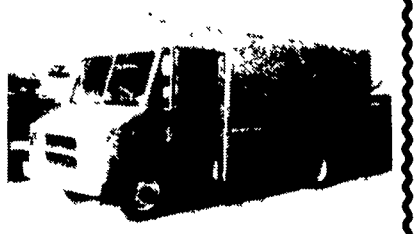

1987 Chev P30 stepvan, 350, V8, AT, PS, PB, 40,000 mile, new tires front, alum. body.

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PH: 717-284-3111

36 REAL ESTATE

105 acres, $75,000.; 127 acres, $76,200.; 59 acres, $35,400.; 81 acres, $45,000. In Western Kentucky, Christian County east of Hopkinsville Kentucky West Kentucky Land & Auction, 515 Weber St., Hopkinsville, Kentucky 42240. 502-885-3117 or nights after 6 p.m Stanley Fritz, 502-886-4216

175 acre farm, Jefferson Co., WVA, road & creek frontage, house, barn & other outbuildings. Asking $3,000/per acre w/terms. 304-263-9801

268 acre limestone farm at Dry Run, Franklin Co. 8 room brick house, oil hot water heat, 210 free stalls, 4 silos, 12 unit milking parlor, bank barn & storage buildings. Inquire: Franklin Realty, 946 Lincoln Way East, Chambersburg, Pa. Call 717-267-3222. Robert F. Crider, Associate Broker.

Apartment for Rent: Loop Road, off 501 north. Two bedroom, living room, kitchen and bath. Apt. newly built. Spacious parking with security lighting. No pets. $400 per month plus security deposit. Available June 1st. 393-0646, ask for Jess or 627-2781 after 5pm, ask for Mike.

TIOGA COUNTY: 340 acres, 200+ tillable, 35 pasture, large bank barn, 16x60 silo, machinery shed, mostly remodeled 2 family house. Presently set up for hogs. $250,000. 717-724-2575.

Twenty acre farm, two-story house, spring water, septic, double garage, barn, out building. Tylersville, Clinton County, call after 6PM (717)726-6377.

For Sale: 244 acres limestone, 2 houses, 2 barns, milking parlor, 4 silos, 1 mile from I81 exit, 1½ mile from shopping center Franklin Co. 717-263-3521

For Sale: Farmette east of Beavertown, Snyder Co. 2-story recently remodeled home, redwood siding, new horse stable, 3-stall garage, 2 pastures w/ stream, secluded on 24A, $139,000. Additional 10A optional. Call after 5, (717)328-9091.

JUNIATA COUNTY Fermanagh Twp., 125 acre farm w/78 tillable productive soil, 11 acres meadow w/good stream, balance in woodland. Sturdy 9 room farmhouse, 36x60 bank barn & many other misc. buildings. Good well of water. It is set back from the road for privacy & has a great view. Call for appointment L31 Fermanagh Twp., near 4 lane hwy. & exit. 267 acres of woodland w/right of way. Has frontage on State Game Lands. Buy before year end & save on the price per acre Marlin H. Fields Real Estate, Mifflintown, Pa 717-436-8839

Lycoming Co. cattle or horse farm for lease. 50 acres, fully fenced & sectioned, nice house, 5 outbuildings, 10 yr. old barn, all buildings are masonary, swimming pool, property located on Rt. 44, 20 miles north of Williamsport. Super hunting & fishing area, and useful for other winter sports Available immediately 215-637-4699

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"PRETTY AS A PICTURE"...228 acre registered Holstein farm in Oneida County has it all; good land, excellent buildings and a great herd. Barn has 80 ties on 6 unit pipeline, 20x50 and 18x40 silos, Patz cleaner and attached heifer barn with 46 ties. The 1860 home has been restored to perfection and looks like something out of BETTER HOMES AND GARDENS. It has a separate apartment. Can be bought with 125 head, 4 John Deere tractors and complete line of machinery for $395,000. This is a nice one!

SHOW CATTLE will love this show barn with 60 large ties, tile mangers, Boumatic pipeline and 16x40 and 20x40 unloading silos. 120 acres with very secluded location at the edge of a city in the Mohawk Valley. Colonial home has 10 rooms, 5 bedrooms. Urgent sale...Asking $147,000.

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184 acres, 164 tillable, 80 cow Conventional Dairy Facility, large farm house, 76 head of cattle and equipped including feed $215,000

306 acre, 170 tillable, 89 cow Dairy Facility, comfortable farm house, stocked and equipped including feed $325,000.

268 acres, 115 tillable, 60 cow comfort stall barn, 28x96 hay storage, 3 bedroom house, $96,500.

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40 acres - Blue sky and view, excellent place to build a small lake.

260 acres - 4 barns, 3 silos, 2 houses.

165 acres - barns, 2 silos, 8 room home

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WELSH SETTLEMENT FARM

Just 3 miles east of Wellsboro. Frontage on 2 paved roads. Originally 100 acres, seller retaining 10 acres of woods leaving approx. 28 acres of woods w/farm plus 55 tillable acres, with airstrip potential. Improved trailer site w/well, septic & elect. Former Dairy barn w/little value unless repaired. 14x65 silo, 36x70 metal shop/ storage bldg. Was $79,900 REDUCED TO $72,000. For immediate fall sale. #M-328

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Just listed in Bradford Co. near Troy, PA. Set up for 67 holsteins on pipeline. 800 gal. bulk tank with 6 milking units. 3 silos w/unloaders, huge shop/storage bldg. w/ drive thru doors. 4 bdrm home 80% remodeled. 200+ acres w/heifer barns. JUST $199,000. Will reduce price w/o heifer barns and 20 acres. #M-415.

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With new 100 head tie stall dairy barn, drive through overhead storage, pipeline milking system, lagoon manure system, separate 100 head heifer & dry cow feeder barn, several silos, home being remodeled on approx. 170 +/- acres. Tioga co. near Wellsboro, $299,000. M-431.

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Going pullet operation for 25,000 birds, with cages & full line of equipment. 40x300 poultry house, 40x64 barn w/four stories, 14x16 shed and 14x46 implement shed, a lovely 4 bedroom home, 66 acres, 40 tillable. This is a very neat and secluded setting. Call for more details. Price **$185,000**

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108 Acres General Farm, w/bank barn, 70 crop acres, 25 wooded, 12 pasture, road frontage, stream, restored log 2 story dwelling w/L&S Stone exterior. PRICE ADJUSTED.

105 Acre Beef Farm, 1 floor bank barn, 54x90 Morton bldg., 40x96 Agway bldg., 40x80 pole bldg., 3 BR frame & alum. dwelling (needs repairs).

77 Acre Beef Farm, bank barn w/60x80 pole addition, 72x110 pole implement building, silo, limestone soil, NO DWELLING.

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Modern Dairy Complex - 100 free stalls, double 6 milking parlor, 6 units w/weigh jars - 1,000 gallon tank - computer system, 4 stall 2 feed unit - manure lagoon - 2 Harvestors 20x60 - 20x80 - 20x70 stave silo w/ conveyors to feed trough. 88 acres murrill soil - 4 bdr. stone dwelling.

115 Acre Beef and Hog Farm, farrowing unit w/ nursery and manure pit, silos, 2 story brick and aluminum dwelling.

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Farmer, don't abandon your farm, donate your farm to this tax exempt non-profit organization "The Refuge Foundation", PO Box 696, Rochester, N.Y. 14603-0696. Phone 716-454-4235.

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Union Co., Pa. Beef & Hog Farm

containing 153 Acres (124 tillable in high state of fertility), completely remodeled 3 bedroom farm house. Large bank barn w/ feeder shed extension, 20x60 Harvestore high moisture corn unit w/Hercules unloader, 20x72 concrete silo w/ Jamesway unloader, 17 stall farrowing house, nursery and dry facilities. New Modern machine shed and shop plus other outbuildings. All in excellent condition. For Sale By Owners. Retiring from farming. Serious buyers may phone:

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186 acres, 108 tillable, two 5 acre ponds, excellent hunting $437,000

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Fine facilities, less than 2 hours from Lancaster, 52 stalls, pipeline, tank, 2 concrete silos, hay & equipment storage, 4 BR Colonial brick home, 2 baths, 2-car garage. Call for details, ask for Carl Diller at

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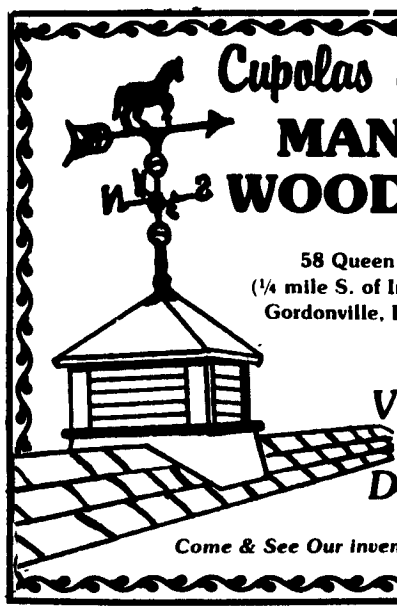

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195 Acres, mostly tillable, level fields. Two barns, 2½ story home. Great buy @ $1,000 per acre.
45 Acres, of tillable land, 3,200 sq. ft. home, small barn with corral. Unique property, $140,000.
38.6 Acres, very private, house, large barn, mostly tillable acreage $110,000

Union County
10 Acre Dairy Farm, house, barn, 3 silos, milk house, $99,000.
125 Acres, 70 tillable, bank barn, outbuildings, 2½ story brick house plus a framed home, exceptional, $375,000
180 Acre Dairy Farm, 2 story bank barn, milking barn, 3 silos, house plus tenant house. Excellent property.

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Cambria County, PA on Route 219, 4 miles north of Ebensburg. Lovely farmette on 10 acres includes original farmhouse & like-new 16 yr. old Amish built brick home. Barn, implement shed, etc. $110,000. Immediate occupancy. Adjoining 68 acres farm land available.

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Beautiful 169 acre farm featuring a 5 bedroom center hall stone pointed colonial home and a large stone bank barn. Both in excellent condition. House and barn are situated 1,500 feet off of the black top road with the Blue Mountain in the background. Excellent hunting and trout stream on farm.

This farm was the site of the 1754 Indian raid on the Frederick Moyer family. We have a complete documented historical account of this famous Indian attack.

$680,000

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200 acre well maintained dairy farm. Potential development. City water & gas. 70x100' barn & outbuildings in good condition. 8 room red brick home, modern conveniences. Westmoreland Co. Appraised $225,000

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97 acres, 75 tillable, excellent soil, large pond site. No structures. $2,000 per acre. Rent option or no down.

5 miles south of Danville off of Route 54
120 acres, over 5000 feet road frontage, stream, no house. $169,000. **Owner Financing.**

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47 acres, mostly clear farm land, stream thru, excellent for Christmas trees. No Down. $69,000.

30 acre farmette, 15 tillable, 10 pasture, home, barn, machine shed. $95,000. No Down or Rent Option.

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Lykens Valley, 80 acres, 75 tillable, house & barn. $185,000.

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- **Frames & R28 Insulation & Wall Panels $18.00**
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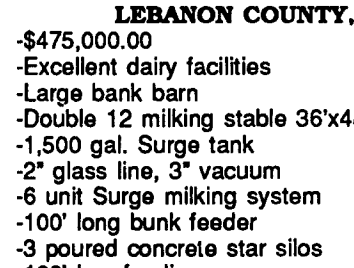

J.L. Buchet, P.O. Box 265,
St. James, L.I. 11780 516-862-7013

THIS WEEKS SPECIALS

1. **183 Acre -** mostly Hagerstown soils w/ large 3 bay bank barn & 2½ story stone & frame dwelling, 16x60 silo - 46x70 equipment shed, nice farm pond, all in beautiful tree lined lane. Only $365,000.
2. **Modern 86 cow** free stall & double 6 parlor w/flush system (no scraping). 162 acres w/large creek & 12 mo. capacity lagoon. Large bank barn & nice 2½ story brick dwelling. $365,000
3. **Hog or Broiler Farmers, Look At This!!** If you are looking for an intense farm community to build your operation. We will subdivide 60 acres from the total of 183 acres. Fairly level land with stream. This would include a 130' bank barn (4 drive-in bays & beef below) Tobacco shed - corn barn - equipment shed - silo and brick 2½ story dwelling. Nice setting on short lane off township road, $200,000.
4. **Near Thompsontown,** 100 acre farm with nice 36 tie stall dairy built '72, 1½ story dwelling in good condition and older bank barn. $175,000.

MAHLON OBERHOLTZER
Real Estate Agency
Smoketown, PA 717-392-1177

WORKING DAIRY FARM 220 acs., barn, outbldgs., machinery, cattle, 2 sty, 4 BR home $562,000 (M281)
NATURE LOVERS 104 acs. of wooded land, near State Land & boat launch, terms. $54,900 (M175)
COUNTRY 2 STORY on 1 acre, 3 BR, screened porch, Fam. Rm., $49,900. (M280)

ERA-Homestead Realty
Rt. 15 S. Box 276
Mansfield, Pa. 16933
717/662-3287

MOTEL PLUS 13 units + 3 unit apartment house, 2 BR cottage, 12xs70 mobile, 2 car garage w/barn. On Rt. 15. $185,000 (W364)
SECLUSION on 19+ acs., ½ wooded, ½ open. $15,500 (W316)
IN-TOWN STARTER home, close to amenities, 3 BR remodeled. $35,900 (W272)

ERA Homestead Realty
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Wellsboro, PA 16901
717/724-7161

RANCH HOME w/COMMERCIAL BLDG. 3 BR, FPL, 3.5 acs. Bldgs could be garage, showroom. Great investment. $28,900 (D574)
CAMP OR HOME SITE w/pond location. 68 acs , w/ stream, woods, good access & frontage. $34,000 (D577)
LG. 2 STORY 5BR, 2 BA, new roof, bsmt/FPL & extra flue. $42,500 (D582)

ERA-Homestead Realty
168 W. Main St.
Westfield, PA 16950
814/376-2222

HERITAGE REALTY GROUP INC MLS
1525 Science St., State College, PA 16801
814-231-0101

Contact: DON C. MYERS
Residence: (814) 422-8111
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FARM & RURAL PROPERTY DIVISION

"FARM PEOPLE SERVING THE FARM COMMUNITY'S REAL ESTATE NEEDS."

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OUR GUARANTEE:
We strive to be #1 in "PROFESSIONALISM & PROMOTION" offering:

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ARBANDALE FARMS
133 ACRE DAIRY FARM
NORTH LEBANON TOWNSHIP, LEBANON COUNTY, PA

-$475,000.00
-Excellent dairy facilities
-Large bank barn
-Double 12 milking stable 36'x48'
-1,500 gal. Surge tank
-2" glass line, 3" vacuum
-6 unit Surge milking system
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-3 poured concrete star silos
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-Complete mixing unit
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-Lands in high state of cultivation
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-Excellent setting off the road
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Phone 717-273-9358
717-867-5221 717-867-4487

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South of 422... 118 Acres, 110 acres tillable (limestone); 60x60 equipment shed, 25% concrete floor; large tobacco shed, good condition; 3-bay two mow bank barn, good condition; 180 free stall barn, holding and hospital area; double 6 parlor; 90 ft. Ressler bunk feeder; 70 ft. bunk feeder (filled by wagon); 20x60 Harvestore with Hercules unloader; 20x80 Harvestore with Goliath unloader; 20x70 stave with Patz unloader; 1 year manure lagoon with cement floor and ramp; 2,000 gallon bulk tank; 14x70-ft. three bedroom trailer; 5-bedroom frame dwelling, new siding; oil hot water heat; buildings and line in center of property.

This farm can also be bought without 12 acres and trailer home!

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CENTRE COUNTY

WOODWARD- Farm with 122± acres, unique farmhouse built in 19[illegible] square feet of living space, barn, 2 [illegible] several outbuildings, and garage. $239,000. SOLD

AARONSBURG- Farmette with 6± acres, 2-story house, tenant house, barn, several outbuildings. $69,900

COLYER- Country property with 2± acres, 2-story frame house with 4 bedrooms, small barn, pasture for horses. Reduced to $88,500.

YARNELL- Farmette with 6± acres, stone house built in 1890, barn with feed bunk and attached loafing shed, 2 silos. $74,900.

AXEMAN- Farmette with 15± acres, 4-bedroom 2-story frame house, large bank barn, and outbuildings. Reduced to $137,500

CLINTON COUNTY

LAMAR- Farm with 53± acres, house, large barn, several outbuildings, excellent tillable land. Rt. 64, 2 miles north of Lamar. $169,000.

LAMAR- Dairy farm with 170± acres, house, barn with 36 comfort stalls, outbuildings. Along Route 64. $275,000.

HUNTINGDON COUNTY

PETERSBURG AREA- Dairy farm with 212± acres (92 tillable, 106 woodland, 14 pasture), silo, bulk tank and more. $130,000.

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NORTH CENTRAL PENNA

Excellent farmette on 16.9 acres, mostly open, with 2 sty bank barn, partially remodeled house with 4 bdrms, 2 baths, new kitchen, all in good condition. Property can be bought with 11.9 acres for $64,000. Asking $72,000 #979

80 ac. operating dairy farm, 111 tie stalls, pipeline, 1000 gal. bulk tank, barn cleaner, 3 silos, heifer facilities, outbldgs, stocked pond, 6 bdrm house, LR, DR, kit, etc. Possible lease land available. Asking $145,000 #914

85 acre Dairy Farm near PA Grand Canyon, 36 tie stalls, 14x50 silo with unloader, bulk tank, barn cleaner, 2 story home, 6 miles from Wellsboro. Asking $130,000 #964

Older 2 sty house on hardtop road, 2½ miles from town, exceptional views, 4 bdrms on 3+ acres. $24,900 #950

2 sty house, 3 bdrms, LR, DR, kit, bath, utility rm, full bsmt, 2 car garage. Also addtl garage with apartment over it, for extra income. $49,500 #952

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FARMER OR INVESTOR

#939 500 acre dairy farm in eastern NY. Gently rolling land with nice views. Land is very productive alfalfa and corn. Large 2 story dairy barn for 100 cows, pipeline milking: 2 silos; 100 registered Jerseys with a protein market. Farmer received $17.00 per hundred last month. Good line of equipment; very nice home; top location; new on the market and won't last long.

#938 - Eastern NY - 295 acres, 225 tillable. Would make a great hay farm, or good investment. Large home in good condition, big 2 story dairy barn, 75 stalls, pipeline milking; 2 big silos; machinery building; private location. Owner will sub-divide. Won't last long. Asking $255,000.

#909 - A good small farm for farming or retirement. 118 acres, 40 tillable, bal. pasture and woods; good 2 story dairy barn, 46 stalls; 20x50 silo w/unloader; bulk tank, barn cleaner; very nice home, 4 bdrm, 2 baths, hot water heat, attached garage, lawns and trees; nice view, private setting. $165,000. Spring possession.

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Free Farm List!
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Northumberland Co.
180 + free stall, double 8 auto take off bou-matic milking parlor dairy farm. This opportunity is ideal for a growing family operation with 3 sets of farm bldgs. High moisture, haylage & silage silos, 325 total acres, lg. farm pond plus extra house for hired labor. This is an excellent opportunity for a tax deferred exchange, cash or possible mtg. assumption. Call Sandy Leaman for all the details.

Montour Co.
50 acres m/l with stream and pond site. Nice retirement or horse farm. 4 bedroom, 2 story frame home. Call Pete Zeisloft at (717) 437-2305.

Bedford Co.
96 acre beef and hog farm with 40'x60' barn and 55'x80' hog barn. 2½ story 3 bedroom brick dwelling in excellent condition. Call Sanford Leaman at (717) 569-4264 for further details.

Columbia Co.
96 Acre poultry farm with 2 large chicken houses, large bank barn, 2 large grain bins and complete feed grinding mill. Also 2 feed storage bins, grain elevator leg and machine shed. Two story frame, 4 bedroom home. Can be purchased as a complete unit or separately. Call Pete Zeisloft, 717-437-2305 for more details.

Near Columbia Co.
Large modern, 300 acre dairy operation with double 8 milking parlor, 2,000 gal. bulk tank, 150 plus free stalls, 6 silos, large bank barn, large machine shed, 3 complete sets of buildings with nice, large modern home. A nice father and son operation. Call Pete Zeisloft at 717-437-2305 or Sandy Leaman, 717-569-4264 or 1-800-528-5832 ext. 264.

Montour Co.
This weeks special. Hog and beef farm with 30,000 bu. grain storage, with a 12,000 Storemore natural gas dryer on top. Bank barn with additional 2 silos. 120 acre level land, presently all crop land. Large brick farm house with 4 bedrooms, 2 full baths, oil hot water heat, fireplace and much, much more. Priced to sell. Call Sandy Leaman at 800-528-5832, ext. 264.

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Milton Huber- Lancaster, York, Cumberland, Franklin and Perry Counties.
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Paul "Pete" Zeisloft- Columbia, Montour, Lycoming and Northumberland Counties.

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LYCOMING COUNTY

• 109 Acre Dairy Farm, 80 T., features beautiful 52 stall dairy barn, 2 box stalls, office, milk house w/600 gal. tank & pipeline, barncleaner, 16x60 silo, bank barn for heifers and dry cows, 36x48 machinery shed, wagon shed, 2½ story home w/large kitchen, 2 living rooms, 4BR, bath & laundry, also 14x70 mobile home w/2BR, 2 baths, kitchen, LR, DR. Spring stream in pasture and a great view, $225,000.

SCHUYLKILL COUNTY

• 234 acre woodland tract, joins state gamelands, borders Rt. 81 & secondary road, Pine Grove area, good hunting area, call for details, $175,000.

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

PAUL M. LONGACRE
Rt. 100 Hereford, PA 18056
Ph: 215-679-5919

TIOGA COUNTY

• 186 Acre 100 T. Dairy Farm, balance pasture, 53 tie stall barn, box stalls, new pipeline, 30x50 horse barn w/ box and tie stalls, 30x30 heifer barn, 2 story 3/4 remodeled home w/3 BRs., 2 baths, lg. eat-in kitchen, DR, LR, office and laundry. Plenty of road frontage. $185,000.

• 158 acre Dairy Farm, 100 T., balance pasture, 39 tie stall barn, heifer shed, (2)- 20x70 conc. silos w/ VanDale unloaders, Patz barn cleaner, modern Surge pipeline, lg. beautiful home, 3 BRs, 1½ baths, stone fireplace in LR, lg. eat-in kit., rec room, office. 1½ miles hard road frontage. $225,000.

• 351 Acre dairy farm, 325 T., features large 2 story dairy barn, 230'x42' w/hay storage on 2nd floor, three 2 story homes all in good condition, 2 machinery sheds, 4 car garage, level land, $385,000.

• 98 Acre Dairy Farm, dairy bank barn w/Quonset laminated roof, plenty of storage space, 28 tie stalls & 4 large box stalls, 650 gal. bulk tank, sheds & garages. Ranch house with 2 BR's, office, large LR, DR, kitchen, basement with garage, 2,000' road frontage, $150,000.

BRADFORD COUNTY

• 200 Acre Dairy Farm, with large 5 bedroom Victorian home sitting on a knoll, surrounded by 200 year old trees, excellent condition, pond & stream, 2 new Harvestore silos, 57 cow dairy barn & some box stalls, long fields, good soils, immediate occupancy. $325,000.

• 370 Acre Dairy Farm with 70 stalls, pipeline milker, 1500 gal. bulk tank, calf & heifer area, 2 story home completely remodeled, kitchen, dining room, living room, 4 bedroom & bath, hardwood floors, small stream, $400,000.

• 500 Acre Dairy Farm, 450 T., features 184 freestall dairy barn, 125 stall heifer barn, double-8 milking parlor, two 1,000 gal. bulk tanks, two 100' bunk feeders, three 24x60 and one 20x60 concrete silos w/unloaders, lovely 4 BR home w/kitchen, LR, FR, office, den, laundry & bath. 2nd home 3 BRS & bath. Spring fed pond & much more. Call for details, $650,000. Cattle & machinery available.

• 150 Acre, 132 T. Hog Farm w/feeder barn for finishing 1,000 hogs per year. Auto. watering, spraying & feeding system, 2 silos, 18x50 with unloader & 16x50. Patz barn cleaner, grain tank & feed room, bank barn w/hay & machinery storage. Beautiful ranch house features 4 BR's, 2½ baths, LR, DR, natural wood kitchen & full basement. 2nd house with large LR, DR, 3 BR's, bath, 1500' road frontage, $255,000.

• 325 Acre Dairy farm w/300 T. features 125 free stall barn with parlor, 3 silos, large machinery shed, computer feeding, dry cow & heifer barn, 3 BR ranch house, $325,000.

• 20 Acre, more or less, 200 head veal calf operation, lock, stock & barrel, except for marketing calves. Very modern operation for any market. Sludge storage system, equipment with barn cleaner etc. A complete operation. Beautiful, 4 BR, 2-story frame house, very large. 1½ bath, LR, DR, den etc. $185,000.

Sale Reports

MT. WOLF MEAT MARKET "SALE

A Public Auction of butcher shop equipment was held December 19 by the Mt. Wolf Meat Market, Mt. Wolf, Pa. in York County. There was a good turnout for the sale.

Some prices included: Hobart meat grinder $2100, stainless steel meat mixer $700, walk-in freezer 12x12 unit $500, deli case $475, Kubota digital scale $375, cube steak machine $1000, portable smoker $50 and Bally walk-in freezer $500.

Blaine and Nevin Rentzel were the auctioneers.

MAILBOX MARKET
FOR SALE

Snowmobile for sale. Call after 6 p.m. Lanc. Co. 717-653-6370.

69 Ford St. wagon front end $50. 12 Stewart Warner low pressure 1 GPH oil burners. Will burn crankcase oil, mixed ½ & ¼. Westchester Co. 215-696-1703.

3 HP electric motor $140, Saylor 10 hp gas compression new $1500. Sandblast $220, 26" polaner $1200, Bead blast cabinet $540. 217-733-7044.

Myers snow plow 8 ft. complete lift and mounts $550. Also 4"xz16' grain auger Mayrath $100. 2 hole corn sheller elect. motor or hand operate. Dauphin Co. 717-566-0724.

Male border collie, reg. 2 yrs. old, needs room to run $100. York Co. 717-938-2197.

3 hyd. cylinders double acting 3" bore 1½" shaft 48" stroke $50 each. Hyd. pump for log splitter $50. Lehigh Co. 215-967-3957.

1971 Diamond Reo TT 238 13-speed, 50,000 GVW wet-line, best offer after 7 pm. 214-486-6653.

IH 13' vibra shank field cultivator with Buster bar $1200. Lanc. Co. 717-687-7033.

JD 2240 with loader, low hrs. JD 2640 late model low hrs. $10,500 each. Ex. Cond. Cambria Co. 814-288-4855 evenings.

French alpine buck grandson of Redwood hills, Pendragon CL-89 and GCH. Aspen Springs Rachel CL-91 (94-M) $200 or trade. 301-438-3218.

'48 IH KB-7 school bus $250; MF 135 gas tractor, PTO, 3 pth, needs overhaul $1000; Dump 10' w/pump & cylinder 215-926-2187 Steve.

1970 Ford Falcon 2 Dr. sdn., engine rebuilt $600 Huntindon Co. NJ 201-534-9332.

1967 Chevy chassis repair manual, 1967 Fisher body service manual, 1977 GM diagnosis and repair manual $20. Lanc. Co. 215-445-4463.

82 Olds cutlass black w/ blue plush interior, cruse AC AM-FM 60,000 miles Also 15 inch wheels for 1987 pickup. B.O. Lanc Co. 717-656-9616.

20 feeder steers, 700 lb. mixed Angus. Lanc. Co. 717-426-3684.

1973 Ford LN8000 tractor 1160 cat dsl. 5&2 trans. 10x20 tires, 1972 Tonco dropdeck 40' trailer, 10x15 tires 20" drop, Blair Co. 814-742-8202.

Scotch highland cattle bulls, cows, feeder steers, available free information on this breed. Roger Jestel, 223 Mowl Rd., Hilton, NY 14468.

Shelled black walnuts $5 per pound, $2.75 per half pound, Cumberland Co., Mail order possible. 717-776-4523.

1979 Chevette 4 speed kept in repairs $875. Pig farrowing crate $95. radiators 5 tube modern tape $1.75 a section 33 to 48" long. Lehigh Co. 215-756-6626.

8 yr. old reg. Morgan mare, sound, acclimated. Also Warm Morning coal stove. Samuel L. Beiler, 1600 Noble Rd., Kirkwood, Pa. Lanc. Co. 71536.

3 wheeler Yamaha YTM200E $600 G.C. Bradford Co., Pa. after 6 p.m. 717-746-1493.

Stump grinder, heavy duty PTO 3 point hitch operated, ex. for land clearing, used only 6 hrs., like new $4,500. Cumberland Co. 609-455-9299.

Gas cook stove, very good cond. Harvest Gold, additional electric light, timer and clock $400. Lanc. Co. 717-527-2651.

John Deere Model 630 tractor, live PTO, live hyd. power steering $2,800. Int'l 1 pr. picker, white elevator real nice $1100. Timothy & mixed hay $1.75 a bale. International 13 disc grail drill, nice $500. Mont. Co. 215-679-7763.

Steer hay 1.25 bale, 2nd, 3rd cutting also. Can deliver. Leb. Co. 717-838-4610 eves.

Purebred English Shepherd puppies, ex. stock & watchdogs, great w/ children. From working stock. Jefferson Co., W Va. 304-725-3909.

1961 Red COE truck with 24' Dorsey alum. van body. Side & rear doors 10:00x20 tires $2000. Warren Co. 201-689-3332.

Molasses blender $500, molasses portable silage applicator $250, older horizontal feed mixer $250. Commercial feed grinder $500. Warren Co. 201-689-3332.

Hyd. angling Meyer ST-90 snowplow with A frame to mount on loader; 1 pair 16.9x28 tractor tire chains. Lanc. Co. 717-626-2866.

1980 Toyota Corona auto., PS/PB AC, insp. thru 6-89, needs body work. Must sell going overseas. Chester Co. 215-935-3657 or 2445.

Reg Romney Rams, twins born 3-7-88 $185. Spinning wheels. Rabbits. Adams Co. 717-642-6345.

JD H elec. start, lights, hyd. excel. cond., one bad tire, cultivators, included $1450. Chester Co. 215-495-6170.

79 Chev truck, Scottsdale silver/burgandy, V8, auto, PS, AC, one owner, ex cond. $2800. Chester Co. 215-857-3949 after 7 pm.

1977 Dodge Cube van, 10,000 lb. gross, dual wheels, auto. trans, 360 eng. (new heads, timing gears) 1979 Chev. silverado pickup, for parts. 717-694-3517.

New tire 7.50-16 8 ply 3 rib nylon Armstrong Berks Co 215-488-1121.

25 qacre farm 4 bedroom house, bank barn, raise cattle, pigs, horses, 5 miles northwest of Beaverspring, Pa Snyder co. $80,000 717-658-6386.

Ford 350, complete cab with hood, fenders and grill $950. 215-683-7943.

55 acres of beautiful farmland, zoned agricultural/residential. Ex. schools, Bucks Co. write owners P.O. Box 28, Dublin, Pa. 18917

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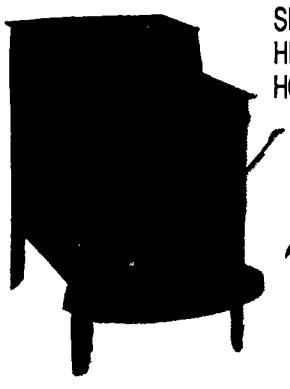

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IN TO THE 90's

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LANDIS BROTHERS, INC.
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UMBERGER'S OF FONTANA
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Loysville

N.H FLICKER & SONS, INC.
Mexatawny

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PIKEVILLE EQUIPMENT, INC.
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Perryopolis

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Good Oliver 60 tractor $600, 15 tons alfalfa $110 Ear corn 3000 bu Soybean 1700 bu Storage Rent Chester Co 215-932-2453

Cow, holstein and Angus cross coming third calf 1200 Holtwood Rd , 2 Miles West of the Buck

Hay mostly timothy 30-33 lbs average per bale approx 1500-2000 bales 1 50 per bale at barn call 4-9 pm Fulton Co 717-573-2810

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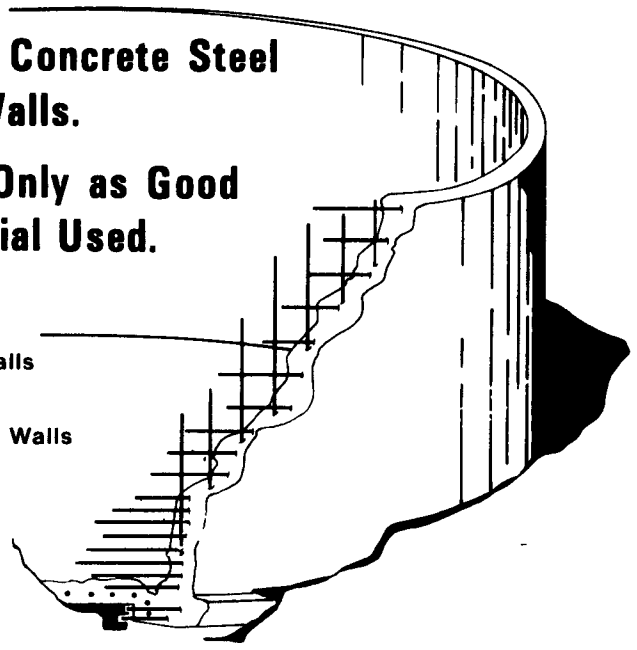

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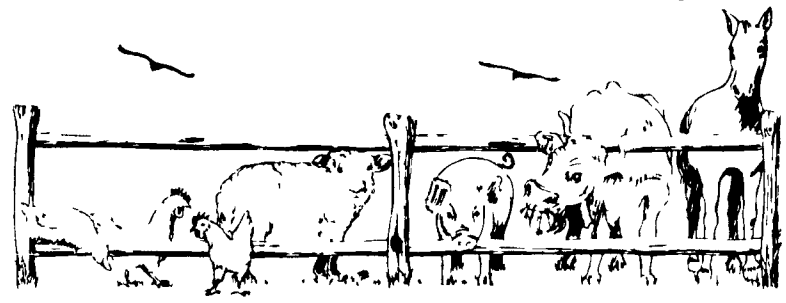

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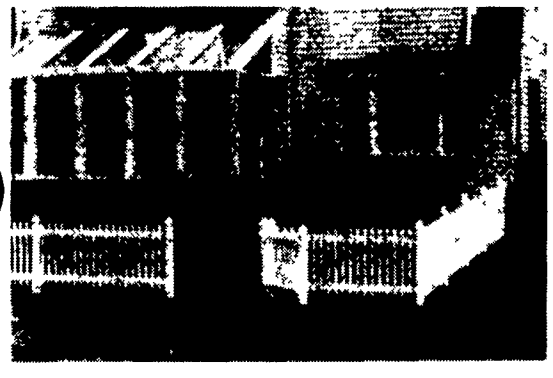

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4 yr. old black saddlebred mare sensible with snap. Blair Co. 814-793-3008.

Brown Swiss bull calves, Lanc. Co. 717-653-8387.

69 250 Ford motor, 69 Buick Skylark 4 speed trans., 68 302 Ford motor. Cumb. Co. 717-486-5840.

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2 reg. Percheron colts; 2 Percheron geldings; 1 reg. Belgian filly; and 3 Belgian geldings. Priced reasonable. Franklin Co. 717-536-3467.

AKC Fox terrier pumps, also 1 yr. old proven male and female. Jonathan Esh, 161 Clover Dr., Christiana, Pa. ½ mile south of Bart, Pa. Lanc. Co.

JD 16A flail chopper, lot of new parts, needs work $500. Frederick Co., Md. 301-864-3698.

1978 IHC Dump truck, 9' bed, 30,200 GVW, PS, set up for plow 537 gas 5 spd./2 spd. air brakes. 215-288-0263.

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27KW alternator like new, also 20' silo tripod & 60' unloader cord, La. Co. 215-445-5697.

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Farmall M, AC WD, AC round baler, WC for parts, loader & sickle bar mower for 8N Ford, Lanc. Co. 717-284-2640.

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Salvage to attic flooring; old loghouses and farmhouses. Junk cars removed from your property. Adams Co. 717-334-0249 7-9 pm.

Chains for tractor one set 12.4x28' one set 16.9x30. York Co. 717-938-9854.

Irrigation Pipe 3 inch up to 1000 ft. Chemung Co 607-529-3480.

7 or 8 foot scraper to hook on 3 point hitch. Lanc. Co. 717-872-5663.

Gas heater, about 2000 BTU for heating 120 ft. fin pipes. Vintage Rd. Greenhouse, 903 Vintage Rd., Christiana, Pa 17509. Lanc. Co.

Wanted to buy Barley for feed, approx. 400 bu. per month or will buy bigger lots. 215-682-6429.

Snow plow for JD 111 or 318, must be in excel. cond. and inexpensive. Monroe Co. 717-629-1720.

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Must have listing of what you want to sell at my auction on Feb. 23-24, 1989 by Jan. 10. Elias S. Beiler, 601 Musser School Road, Leola, Pa 17540.

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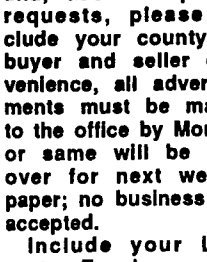

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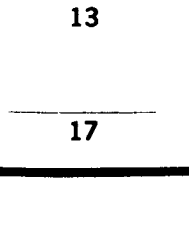

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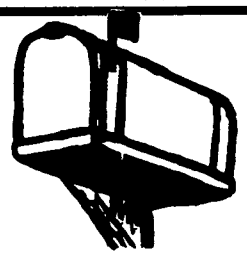

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Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

DECEMBER

SAT. DEC. 31 - 9AM Glassware, China, Toys, Tools. 866 Poplar St. (just off Diamond St.), Pottstown, Montgomery Co., PA. By: Maurice G. Hasrtenstine Estate. HORST Aucts.

SAT. DEC. 31 - 9AM Tractors, Farm Machinery, Shop Eq., HH. 1625 Russell Road, Lebanon, N. Annville Twp., Lebanon Co., PA. For: Ivan & Anna Weaver. Harry H. Bachman, Auct.

SAT. DEC. 31 - 9AM Consignment Sale of Tractors & Eq., Vehicles, Tools. From I-81 S. of Martinsburg, WV, take Exit #5 (Inwood), WV, Rt. 51 E. approx. 3½ mis. to Shutts Cash Grocery (formerly Haines') turn right, .2 of mi. to sale. Edgar A. Bohrer, Sale Mgr.

SAT. DEC. 31 - 9AM Tractors, Farm Machinery, Trucks, Tillage Eq., Hay Eq., Parts & Machinery, Antiques, Guns. Union Co., PA. 1¾ mi. W. of village of New Columbia or 1¾ mi. W. of Rt. 15. H.H. Mylin, Owner. George H. Deitrick, Auct.

SAT. DEC. 31 - 9AM Antiques, Collectibles, Furnishings. For: Mr. & Mrs. Art Eash. 113 Forest Rd., Telford, PA, Franconia Twp. Between Cowpath & County Line Rds. Sanford Alderfer Auct. Co.

SAT. DEC. 31 - 10AM Harper Implement Co. Inc., Annual Year End Tax Sale. 2 blocks S. of traffic signal light and then 2 blocks W. of State Rd. 13 in Swaysee, Indiana. 2 mis. N. of US 35 & SR 13 intersection. Schrader Real Estate & Auct. Co. Inc.

SAT. DEC. 31 - 2:30PM Farm Toy Show Sale & Auction at Farm & Home Center of Lancaster, PA. Off Rt. 72, near Jones Pontiac. Close to Park City Shopping Mall. Dave Nolt, Manager. Dale Stoltzfus, Auct.

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(To help correctly code your address, please furnish COMPLETE address As an example, include number of the dwelling street name, city and state When appropriate, include other specific information such as suite apartment, floor, box number, etc If you have an R D , please include Box Number)

NAME:_____
STREET ADDRESS_____
RD#_____ BOX#_____
CITY_____ STATE_____
ZIP + 4_____-____ COUNTY_____

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

JANUARY

MON. JAN. 2 - 8AM Antique & Collectible Auction. Farmersville Auction, Farmersville, 3 mis. E. of Brownstown.

MON. JAN. 2 - 9AM Antique Sale at Harry's Auction, 11 Graybill Rd., Leola, PA. 8 mis. E. of Lancaster, 1 block S. of Rt. 23 in village of Bareville.

MON. JAN. 2 - 9AM Real Estate, Antiques, HH, Tools, Guns. 319 E. Mohler Church Rd., Ephrata Twp., Lanc. Co., PA. By: Mrs. Wm. Bauman. HORST Aucts.

MON. JAN. 2 - 10AM Antiques, Guns, Toys, Iron, China, Tin, Furniture, Jewelry, etc. Central Manor Auction. From Rt. 30 (W. of Lancaster), Mountville Exit. Turn left to light. Right to next light. Left on Manor St. 2 mis. to stop sign. Straight on to Herr's Fruit Farm & Central Manor Auct.

TUES. JAN . 3 - 11:30AM Farm Equipment, Tools. Located along old Route 22 halfway between New Smithville & Krumsville exits of Route 22 & I-78, Greenwich Twp., Berks Co., Pa. Owner, Grace F. Kunkel. Ralph W. Zettlemoyer Auction Co., Inc.

TUES. JAN. 3 - 4PM Antiques, Large Collection William Cody Buffalo Bill Memorabilia. Morgantown Firehall, Turnpike Exit 22, Rt. 23 East, Morgantown, Berks Co., PA. Horning Farm Agy. Inc.

WED. JAN. 4 - 11AM Special Dairy Sale Consignments. New Holland Sales Stables Inc., 12 mis. E. of Lancaster, just off Rt. 23, New Holland, PA.

WED. JAN. 4 - 2PM 2.71 Acres Zoned C-1 N Main St., Reamstown, Lanc. Co., PA. 1 mi S. of PA turnpike Exit 21, just off Rt. 272. By: Erwin Z. Newswanger HORST Aucts.

WED. JAN. 4 - 11AM Complete MD Herd Dispersal at Shady Lane Dairy Sales Inc., 23 Shady Lane, Quarryville, PA, ¼ mi. W. of Quarryville, off Rt. 372 on Oak Bottom Rd. Shady Lane Dairy Sales Inc.

THURS. JAN. 4 - 9AM Large quantity of PA & New England late 18th & 19th Century Furniture & related accessories. At Alderfer Auct. Center, 501 Fairgrounds Rd., Hatfield, PA. Sanford Alderfer Auct. Co.

THURS. JAN. 5 - 6PM Farm Toys & Winross Trucks. Country Table Restaurant, 1 mi. E. of Mt. Joy, along Rt. 230.

FRI. JAN. 6 - 11AM Complete Herd Dispersal. Between Troupsburg And Rexville, N.Y. On County Route 117- Young Hickory Rd. Steuben Co. 30 Mi. West Of Corning, 30 Mi. South Of Hornell, 30 Mi. East Of Wellsville. Follow Beard Auction Arrows From Troupsburg, N.Y. Frank Symonds, Owner. Beards Aucts.

FRI. JAN. 6 - 12NOON Complete Dairy Herd Dispersal. Located in Union County ¼ Mile Southeast of Vicksburg Along Beaver Run Rd. Midway Between Lewisburg And Mifflinburg Just Off Rt. 45. Nelson Z. and Esther M. Martin, Owners. Bryan D. Imes, Auctioneer.

FRI. JAN. 6 - 1:30PM State Graded Pig Sale at Westminster Livestock Auction, Westminster, MD.

FRI. JAN. 6 - 250-350 Head Special Horse Sale, Work Horses, Driving Horses, Mules. At New Holland Sales Stables Inc , 12 mis E of Lancaster, PA, just off Rt 23, New Holland, PA.

FRI. & SAT JAN. 6 & 7 - 3PM & 9AM Respectively. Grandfathers clock, Furniture, Antiques, Coins, Collectibles, Personal Property. At Springetts Fire Hall, 3013 E. Market St., York, PA. For: H. Alvin Jones. Jacob A. & Brian L. Gilbert, Aucts.

SAT. JAN. 7 - 9AM Gigantic 30 Yr. Collection of Depression Glassware & Hummel Auct. Brad Smith Auct. Co., Brogue, PA, York Co. Red Lion, approx. 5-6 mis. S. along Rt. 74 just before the Brogue. Red Lion is S. of York approx. 20 mis. Bradley K. Smith, Auct.

SAT. JAN. 7 - 9:30AM Library & Collections of Late David Musselman. Akron Fire Hall, 1229 Main St., Akron, Lancaster Co., PA. By: Sara B. Musselman. HORST Aucts.

SAT. JAN. 7 - 10AM Modern Farm Eq., 16x60 Ribstone Silo, etc. Along Christmas Village Rd., Berks Co., PA. Rt. 183 between Strausstown & Reading, ¼ mi. S. of Bernville turn W. off Rt. 183 go toward Robesonia for ½ mi., turn N. go toward Womelsdorf for 2 mis. to first farm on left past Christmas Village. By: Donald & Shirley Davis. Dennis F. Wagner.

SAT. JAN. 7 - 10:30AM Troxelville Auction Gallery, Antique Auction. Located Troxelville Auction Gallery, 4 miles off Rt. 522 at Beaver Spring, Pa. on Rt. 235. For Info. Phone 717-658-7141. C.P. Jacobs, Jr. Auct.

MON. JAN. 9 - 11AM Farm Machinery, etc. R.S. Tarbuttom Frm, 6 mis. SW of Galena, from Galena take Rt. 213 S. approx. 6 mis. bear right at Vonnies on 298, 1st farm on right. (Before Kennedyville, MD). Harry Rudnick & Sons, Aucts.

SAT. JAN. 14 - 9AM Guns, Winross Trucks & Horse Drawn Wagons. Garden Spot Auto Auction.

SAT. JAN. 14 - 9AM Antiques. Allen Nixon Residence, Birmingham/Arneys Mt. Road off Rt. 630 Pemberton, NJ. By: Iris Schock, Richard Brice.

SAT. JAN. 14 - 9AM Very Nice Antiques, Glassware, Primitives. Located along Route 34, ½ mile North of Gettysburg, PA.- bear right at Y (at car wash) & continue 2 miles on Table Rock Road to auction site. Phyllis Hess, Owner. C. David Redding, Auct.

SAT. JAN. 14 - 10AM Farm and Grain Equipment. Rt. 47, Clayton, NJ. Take 322 East Off C. Barry Bridge To Rt. 47 In Glassboro, Turn Right To Clayton (About 20 Mile From Bridge). Mr. Benjamin F. DuBois, Owner. Ralph D. Hughes, Auct.

SAT. JAN. 14 - 10AM Real Estate, Antiques, HH, Car. 210 Penryn Road, Penn Twp., Lanc. Co., PA. Rt. 72 to Manheim East onto Doe Rd. to Penryn Rd. John G. & Emma Brandt. HORST Aucts.

SAT. JAN. 14 - 10AM 4 Tractors, Skid Loader, Farm Eq., Misc., Dairy & Feed Eq. B&B Dairy, Hagerstown, MD. James G. Cochran, Auct.

SAT. JAN. 14 - 11AM Real Estate, 5 Cars & Truck, HH, Antiques. 1 mi. N. of New Holland, PA, along N. Railroad Ave. From Hinkletown take N. Railroad Ave. 2¼ mis. to sale, Lanc. Co. By: Lloyd Rosenberry Est. Paul Snyder, Auct.

WED. JAN. 18 - 4PM Antiques, HH, Toys, Coke & Beer Items, Coins. Brickerville Fire Hall, just off Rt. 322, Brickerville, approx. 8 .mis w of Ephrata, Lanc. Co., PA. By: Frank, Strayer, Shelly. HORST Aucts.

THURS. & FRI. JAN. 19 & 20 - Farm Eq. Sale. Marion, PA. Ralph W. Horst, Mgr.

FRI. JAN. 20 - 10AM Special Horse Sale at New Holland Sales Stables Inc., 12 mis E. of Lancaster, PA, just off Rt. 23, New Holland, PA.

FRI. JAN. 20 - 1:30PM State Graded Pig Sale at Westminster Livestock Auction.

SAT. JAN. 21 - Jacob S. Zimmerman, Valley View St., Goodville. Real Estate, Antiques, HH. Nevin & Andrew Martin, Aucts.

SAT. JAN. 21 - 9AM Valuable Antique Furniture, Toys, Guns, Wood Planes, Garden Equipment. Located At Newberrytown Fire House. If Traveling On I-83 North Or South Use Newberrytown Exit #13, If Coming From Harrisburg, Pa. Turn Left Onto Rt. 382, If Coming From York, Pa. Turn Right Go Approx. ¼ Mi. To Newberrytown Fire House. Sign Posted. Estate Of Dorothea B. Paul, John W. Paul Owner. Little IKE Eichelberger Auct.

SAT. JAN. 21 - 10AM 165 Acre Farm, Farm Machinery, Tools, Butcher Eq., Antiques & Personal Property. From Rt. 72 N. take 22 E. drive 8/10 mi., turn N. on Lancaster Street to Mowery Rd., turn right & drive approx. 1 mi. to auction on left. By: Marian Light. David L. & Roy I. Ebersole, Aucts.

FRI. JAN. 27 - 12 Noon Complete Registered & Grade Holstein & Jersey Milking Herd, Open & Bred Heifer Dispersal for Ronald & GLenn Weyer at Smoketown - Quality Dairy Sales Inc., Rt. 340, Smoketown, PA, Lanc. Co. Managed by: Gordon & Helen Fritz.

SAT. JAN. 28 - 10AM Trucks, Payloaders, Cars, High Boy, Fert. & Lime Trucks, Fert. Plants, Boxes, Scales. Wm. B. Tilghman Co. Inc., Fitzwater Street, Salisbury, MD. Pete Richardson Auct. Sales.

SAT. JAN. 28 - 1PM Location: 235 Whitehall Rd., Reinholds, West Cocalico Township, Lanc. Co. 2 Separate Tracts of Real Estate Consisting of 24 Acre Farmette & 8 Acre Parcel. Owner: Charles J. Harting, Jr. & Maxine K. Harting. Conducted By: Kline & Kreider Auctioneers.

SAT. JAN. 28 - 2PM 5 Acre M/L Farmette, Zoned R1. 4 miles east of Blue Ball along Rt. 322, 2½ miles west of Honey Brook, Caernarvon Twp., Lanc. Co. Pa. Leroy & Elizabeth Smucker. Robert E. & Jeffrey R. Martin, Aucts.

TUES. JAN. 31 - 10AM Livestock, Farm Eq., Some HH. 1½ S. of Intercourse, 1 mi. N. of Rt. 30 at 344 Queen Rd. Amos F. Smoker, Owner. Diffenbach's Aucts.

FEBRUARY

FRI. FEB. 3 - 10AM Horse Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

SAT. FEB. 4 - 9:30 AM, Real Estate 11 AM. Valuable Real Estate, 7.6 Acre Farmette, Farm Related Items & Antiques. Location From Rt. 23 Take Rt. 625 N. Approx. 5 Miles. Turn Right Onto Oaklyn Dr. Go Approx. 7/10 Mile Turn Right Onto Silver Hill Rd. To Property On Right. Brecknock Township, Lancaster County. Rufus M. & Anna Mary Reiff, Owners. Randal Kline, Lloyd Kreider, Roy Good Jr., Aucts.

SAT. FEB. 4 - 10AM Farm Machinery, Tools, Trucks, Meat Saw, Antiques. Along Business Rt. 15 midway between York Springs and Heidlersburg thence turning W. onto Short Lane in Adams Co., PA. Wilmer G. Keckler, Owner. Clair R. Slaybaugh, Auct.

TUES. FEB. 7 - Farm Machinery, Horses. 1 mi. S. of Gap, PA. David Beiler. Steve Petersheim & Steve Jr., Aucts.

THURS. FEB. 9 - 9:30AM Horse Drawn Farm Machinery, 30 Hi Grade Heifers, 4 Sorrel Mules, Hay, Straw. 1 mi. E. of Gap Levi & Sadie King. Steve Petersheim & Steve Jr., Aucts.

THURS. FEB. 9 - 1PM 196 Acre Modern Dairy Farm, Bainbrige, PA. J. Omar Landis Auct. Serv. Jay M. Witman.

FRI. FEB. 10 - 9AM Equipment Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

SAT. FEB. 11 - 12 Noon Farm Eq. Located along Denver Rd., 1 mi. W. of 272 & Turnpike interchange. Terms by: Abram N. Zimmerman. Paul W. & LeRoy S. Horst, Aucts.

SAT., FEB. 11 - 1PM, Arnold's 58th Hog Sale, Lebanon Fairgrounds, Lebanon, Pa. 100 Bred Gilts, 40 Boars, 40-50 open gilts. Auctioneer, Harry Bachman.

TUES. FEB. 14 - 10AM Farm Equip. located approx. 6 miles NE of Reading. From St. Lawrence follow Rt. 562 approx. 4 miles to Lime Kiln Rd., turn left, watch for sale signs. Terms by Donald & Megan Alvan, Elton Horning, auctioneer.

TUES. FEB. 14 - 10AM Quilt & Buggy Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster, PA, on Rt. 23, New Holland.

WED. FEB. 15 - 12Noon. Valley Bell Farm. 95 Reg. Holstein Cattle, Few Top Grades. Montgomery, Pa. 13 Miles From Williamsport. Berton Staman, Sr. Retirement Sale. Sales Manager- Gordon Wood, Mansfield, Pa.

WED. FEB. 15 - Farm Machinery, Holstein Herd, Horses. Perry Co., 1 mi. S. of Blaine, PA. Elmer F. & Leah Fisher. Steve Petersheim & Steve Jr., Aucts.

THURS. FEB. 16 - 9:30AM Horse Drawn Farm Machinery, HH, Antiques, Work Horses. Little Britain. Ben & Sadie Swarey. Steve Petersheim & Steve Jr., Aucts.

FRI. FEB. 17 - McConnellsburg, PA. Complete Farm Machinery Dispersal. Johnston Bros., Owners. Lyle Reed & Art Kling, Aucts.

FRI. FEB 17 - 10AM Horse Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

SAT. FEB. 18 - Dairy Herd, Dairy Eq., Farm Implements. Located 1 mi. NE of Martindale, just off Gristmill Rd. along Centerville Rd. in Earl Twp., Lanc. Co., PA Warren Sauder, Owner. LeRoy S. Horst & Lamar Sensenig, Aucts.

SAT. FEB. 18 - 9AM Farm Machinery, Few Antiques. Take Rt. 272 approx. 15 mis. S. of Lancaster, PA, turn west on Oscola Rd., 2nd farm on right. Lloyd G. Lefever. Kreider & Kline & Good, Aucts.

SAT. FEB. 18 - 9:30AM HH Goods, Full Line Modern Farm Eq. 4 mis. NE of Myerstown, 5 mis. S. of Bethel, 1½ mis. N. of Rt. 422 along Wintersville Rd., Berks Co., PA. By: John N. & Esther G. Oberholtzer. Snyder & Diffenbach, Aucts.

SAT. FEB. 18 - 9:30AM Horses 11AM. At Belleville Livestock Mkt., Belleville, PA. Special Horse Sale and Tack.

TUES., FEB. 21 - 9AM Located: Gordonville, Pa. Full Line Of Farm Machinery, 3 Pair Top Of The Line Sorrell Mules. Owner, Jonathan & Katie Stoltzfus. Auctioneer, Steve & Steve, Jr. Petersheim.

TUES. FEB. 21 - 9AM Livestock & Farm Eq. 1 mi. E. of White Horse, ¼ mi. N. of Rt. 340 along Plank Rd., Gap, PA. For: Aaron F. Stoltzfus. Diffenbach's Aucts.

TUES. FEB. 21 - 9AM Late Model Farm Machinery & Tractors. Edwin Horning & Sons, Ephrata, Lanc. Co., PA. Aucts. Rentzel, Wolgemuth & Goodrich.

TUES. FEB. 21 - 10AM Farm Machinery & Mules. Located from Strasburg take Rt. 896, 1½ mi. to Paradise Lane, turn S. to Resevoir Rd., first lane right. Terms by: Elmer Fisher. Kreider & Kline Aucts.

HAY STRAW AND GRAIN SALES
EVERY WEDNESDAY AT
12:00 O'CLOCK NOON
AT GOODS AUCTION,
111 NORTH MAPLE AVE.,
LEOLA, PA.
A.H. 000014-L
Terms: Cash
No Out-Of-State Checks
We Do Order Buying To Established Credit

PUBLIC CONSIGNMENT AUCTION
At Paul Zimmerman's Farm
***Saturday, February 25* at 9:00 A.M.**
Located along Pleasant Valley Rd., West Earl Twp., Lanc. Co. Pa. Take Rt. 222 N. from Lanc. to Rt. 322 exit west to Pleasant Valley Rd. on left to auction on right. From East side of Ephrata take Rt. 322 to Pleasant Valley Rd. on right. WATCH for AUCTION SIGNS.
Consignments Welcome.... Farm Equip., Hay, Straw, Grain, Livestock, Shop Equip., Tools, Lumber, Building Materials, Household Items, Furniture, Antiques, Collectibles, Autos and Trucks, With The Exclusion Of Old Electrical Appliances Or Items. For More Info. Call Reist Auctioneers At 717-569-2079 Or 569-7987 Or Write To Paul Or Ivan R.D. #2, Box 30A, Pleasant Valley Rd., Ephrata, Pa. 17522.
BUYERS TERMS: Cash Or Approved Check, Items Sold "As-Is."
Consigners Please Submit A List For Proper Advertising By Jan. 21.
Auction By: Paul Zimmerman and Ivan Martin
Auction Conducted By:
Reist Auctioneers- AU-001637-L
Al & Art Reist- Lanc. Pa. 17601
Reist Auctioneers

PUBLIC AUCTION
VALUABLE REAL ESTATE
2 SEPARATE TRACTS
#1 Tract - 24½ Acre Farmette, Zoned Agric.
#2 Tract - 8½ Acre Parcel, Zoned R-200
SAT., JAN. 28, 1989
1 P.M.
LOCATION: Take Rt. 897 North to Village of Blainsport, turn Right onto Whitehall Road, 235 Whitehall Road, Reinholds, West Cocalico Twp.
For Details, Plot Plan, Terms, and Auction Brochure, Call Auctioneers 717-733-1006.
Terms By:
Charles J. Harting, Jr.
Maxine K. Harting
215-267-3109
Auction Conducted By:
Randal V. Kline, Lloyd Kreider
Roy Good, Jr., AU-000499-L
717-733-1006
KLINE & KREIDER AUCTIONEERS

PUBLIC AUCTION
OF 165 ACRE FARM
FARM MACHINERY, TOOLS, BUTCHER EQUIPMENT, ANTIQUES AND PERSONAL PROPERTY
SATURDAY, JANUARY 21, 1989
10:00 A.M.
LOCATION: Along Stoner Road, Fredericksburg, Pennsylvania In Swatara Township. From Fredericksburg take the Lickdale-Fredricksburg Road to Stoner Road, turn left on Stoner Road, then left at first lane to farm. From Rt. 72 North take the Lickdale-Fredericksburg Road to Stoner Road, turn right on Stoner Road then left at first lane to farm. Watch for signs.

LOCATION FOR AUCTION SITE: From Rt. 72 North take 22 East drive eight tenths of a mile, turn north on Lancaster Street to Mowery Road, turn right and drive approximately 1 mile to Auction on left. Watch for signs.

Farm consists of 165 acres more or less with approximately 100 acres tillable land, over 40 acres of wood land with mature trees (oak, poplar, etc.) and the remainder of the land surrounds the log house. There also are 3 springs and 1 stream on the land. The barn no longer stands, but the rock foundation is still there.

The log house has a living room with panelled walls and wall to wall carpet. The kitchen has printed wall board, plenty of cupboard space and linoleum flooring. There is a full bath with shower and one other room which could be used for an office or den. The upstairs has 3 bedrooms and a sewing room or play room. The house is heated by an oil hot air furnace (2 yrs. old) and has an electric hot water heater (1 yr. old). There is a never failing spring in the basement of the house which supplies it with all the water you will need. Attached to the house is a breezeway and large 2 car garage. The home has exposed logs in the front with aluminum siding on the rest of the house with storm windows and a galvanized roof, recently painted. If you are looking for a farm to start a beef farm or just for an investment don't miss this auction.

TERMS: 10% down day of Auction and balance due in 60 days.

Conditions by:
MARIAN LIGHT
J. MERVIN LIGHT
Attorney Walter A. Whitmoyer, Jr.
AUCTIONEERS:
DAVID L. and ROY I. EBERSOLE
Lic. #AU-000-246-L
Phone 867-1041 or 838-4950
Watch for full listing at later date

ABSOLUTE PUBLIC AUCTION

FARM TOYS & WINROSS MODEL TRUCKS

THURS., JANUARY 5, 1989

PREVIEW 4:00 P.M. AUCTION 6:00 P.M.

To Be Held At The Church Table Restaurant
Mt. Joy, Pa. (One Mile East Of Mt. Joy Along Rte. 230)

FARM TOYS CONSIST OF:
John Deere, Syracuse, Allis Chalmers, Ford, New Holland, New Idea. International, Custom Made Pcs., Farm Sets, Posters, Structo, Hubley, Others.
Winross Trucks Of Local And Over The Road Trucks.

"Don't Miss This One"

Catalogs Auction Day Only
Terms: Cash Or Approved Checks

Auction Conducted By The:
J. Omar Landis Auction Service
Jay M. Witman AU001127-L
Apple & Robert Streets, Box 501
Ephrata, PA 17522
(717) 738-7920 — 665-5735

PUBLIC AUCTION

OF ANTIQUES AND LARGE COLLECTION OF WILLIAM CODY

BUFFALO BILL MEMORABILIA TO BE HELD

TUESDAY, JAN. 3, 1988

@ 4:00 P.M.

MORGANTOWN FIREHALL
(Turnpike Exit 22, Rt. 23 East, Morgantown, Berks Co., Pa.)

FURNITURE: Oak knee-hole rolltop desk; Empire mahogany lamp table; Brown marble top bureau; Walnut veneered china closet, server & din. rm. table; Mahogany 2 pc. hutch cupboard; Maple ext. table w/4 chairs; Piano stool; Pine jelly cupboard w/solid ends; Walnut ext. table; Mahogany rocker; Empire bureau; Pineapple poster mahogany bed; Walnut frame Victorian rocker; Cane seat Lincoln style rocker; 3 pcs. Walnut Victorian marble top bedrm. suite; Chest of drawers; Empire washstand; Oak trimmed blanket chest; Iron bed; Oak chest of drawers & oval mirror; Clothes trees; Childs high chair & potty chair; Pine blanket chest; Mantel clock, Waterbury Co.; Round end table; Large coffee table; Library table; Victorian Eastlake bureau; Oak framed Empire chair (Buck Taylor); Walnut ext. table; Old sew. machines. LARGE COLLECTION OF WILLIAM CODY, BUFFALO BILL MEMORABILIA, Including Walnut Eastlake wall mirror w/towel bar and comb box, Lrg. gold leaf frame w/oval photo insert of Bill Cody, Signed - With Love Bill Cody, Pair Colt revolvers w/case, French/ Victorian theatre dressing case w/contents & documentary card & letters, Misc. lot of photos and letter from Wild Bill Cody, many other items.

MISC. ITEMS: Lrg. trunks; Doll in orig. box; Misc. toys & games; Coll. sm. dolls, comp dolls; Old shoes; Old masonic Bible; Clothing; Dishes, china, glass; Hummel Figurines; Church plates; 8 Lrg. gold leaf frames; Some old high top baby shoes; French doll w/windup insert; Lots of old clothing - childrens & babies; 18th century Ladies Bonnet; Indian artifacts; Doll furniture; Childs metal play furniture - 1930's; Misc. old books; Old syringe dated 1851; Many items not mentioned.

TERMS BY:
ATTORNEY
RICHARD GESCHWINDT
HORNING FARM AGENCY, INC.
Alvin Horning, Auctioneer
AU-000433-L
Main St., Morgantown, Pa. 19543
215-286-5183
NO OUT OF STATE CHECKS

TROXELVILLE AUCTION GALLERY

TROXELVILLE, PA.

ANTIQUE AUCTION

SAT., JAN. 7th, 1989

10:30 A.M.

Located Troxelville Auction Gallery, 4 Miles Off Rt.-522 At Beaver Spring, Pa. On Rt.-235. For Info. Phone 717-658-7141.

LARGE ONE DAY AUCTION

QUALITY OAK- WALNUT- MAHOGANY- CHERRY- PINE- NICEST COUNTRY & PRIMITIVES

Super Quarter Sawed Oak Princess Dresser, Oak Hall Racks, Large Ornate 3 Pc. Oak Bedroom Suit, Rare Bamboo & Oak Ladies Drop Front Desk, Round & Square Oak Tables, Sets Of Chairs, Oak Curved Glass China, Many Oak Dressers & Chests, Oak Wardrobes, Oak Stands & Rockers, Walnut Hall Rack, Walnut Stands & Chairs, Wal. 1920 Dining & Bedroom Sets, Mahogany Desk, Many Magh. Stands, Chairs And Other Fine Small Items In Furniture, Cherry Early Chest, Jelly Cupbs., Dry Sinks, 1 & 2 Drawer Stands, Plank Seated Chairs, Fruit Cupbs., Blanket Chests, Flour Chest, Wood Boxes, Quilts, Crocks & Jugs, Tinware, Graniteware, Large Amount Of Glassware (Depression, China, Pressed & Pattern, Plus Much More), PA. Fishing License, Advert. Items & Country Store Items, Rope Beds, Toys, Lots Of Pictures & Frames, Plus Much More.

AUCTIONEER NOTE: We've A Building Full Of Fine Antiques That Must Go (Come Early & Stay Late, We're Going To Sell It All). This Is One Of A Very Few Auctions This Year We'll Hold.

Auctioneer
C.P. Jacobs, Jr.
PA. #AU-002333-L

"NO FUTURE AUCTIONS AT THIS TIME"

FOOD SERVED
HEATED BUILDING W/SEATS

BRAD SMITH AUCTION CO

Brogue, PA (York Co.)

GIGANTIC 30 YR. COLLECTION OF DEPRESSION GLASSWARE AND HUMMEL AUCTION

(Unreserved)

Everything sells to the highest bidder. All from one collector. No consignments.

FRI. EVENING, JAN. 6, 1989

at 5:30 P.M.

SAT., JAN. 7th, 1989

At 9:00 A.M.

LOCATED: From Red Lion, approx. 5-6 miles south along Rt. 74 Just before the Brogue. Red Lion is south of York approx. 20 miles. Signs posted for directions. Call 717-927-6949.

Most of the patterns and types much too numerous to list. A personal inspection of this depression glassware would be to your advantage if you are a collector. Hundreds and Hundreds of pieces, Most A-1. Sets most all colors and many pcs. of each. This is one of the largest sales of its kind and a rare find. You will want to inspect this sale.

APPROX. 120 HUMMELS OF VARIOUS TYPES AND SIZES

"Many Collectables"

All glassware and Hummels are available for inspection 9:00 A.M. to 7:00 P.M. Thursday, January 5th and Friday, January 6th, 1989. Good glassware sells right from the start. Hummels sell at 12:00 noon. We will be selling late in the day, please plan to stay late. For information call 717-927-6949.

Terms: Cash or good Pa. check. Out-of-state buyers must have a valid bank letter of credit addressed to Brad Smith Auction Co. Everything sells.

GOOD FOOD AVAILABLE
Bradley K. Smith
Auctioneer Lic. #860
Phone 717-927-6949
Not Responsible For
Accidents Of Any Kind
"Auctions Your Place Or Mind"
SALE HELD INDOORS. IF IT SNOWS, OUR LOT WILL BE PLOWED. WE HAVE 2 ACRES OF PARKING SPACE.

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

TUES. FEB 21 - 10AM Farm Machinery & Tools. Mifflin Co., 2 mis. E. of Lewistown, PA, along Rt. 522. Max Hook. Mark Glick, Auct.

FRI. & WED. FEB. 17 & 22 - 12 Noon & 9AM Respectively. Dairy Herd Dispersal & Dairy Eq , HH, Full Line of Farm Eq. ½ mi. N of Bird-in-Hand, turn off Rt 340 on Beechdale Rd. Terms by: Samuel Beiler. Robert E. & Jeffrey R. Martin, Aucts.

WED. FEB. 22 - DATE CHANGE! 10AM Farm Machinery, 5 Head Mules, HH, Antiques. Lanc Co., PA. Katie Blank. Steve Petersheim & Steve Jr., Aucts.

WED. FEB. 22 - Mercersburg, PA. Complete Line of Farm Machinery. Gerald Byers, Owner. Kling's Aucts. Inc.

THURS., FEB. 23 AND FRI., FEB. 24 - 9 AM Public Auction of antique tractors, engines, new, used and abused farm equipment located 10 miles east of Lancaster, 2½ miles west of New Holland. Turn off Rt. 23 on S Groffdale Road, turn left on Musser School Road, Lancaster County, Pa Terms by Elias S Beiler 717-656-9733 Aucts. - Robert E and Jeffery R. Martin, Blaine Rentzel, Fred Goodrich, Jr. and Gerald Hoover, Apprentice.

FRI. FEB. 24 - 9AM Livestock, Horses, Farm Mach. Mifflin Co., 3 mis. N. of Reedsville, PA, along Church Lane. David D. Zook. Mark Glick, Auct

SAT. FEB. 25 - Wellsville, York Co., PA. HH, Antiques, Farm Machinery. Carl & Creaty Harbold, Owners. Kling's Aucts. Inc.

SAT. FEB. 25 - 8 30AM Strasburg Fire Co. #1 15th Annual Public Auction. Livestock, Farm Machinery, Antiques, Household Goods. Managed by Miller & Siegrist and Local Auct's.

SAT. FEB. 25 - 9AM Full Line of Farm Machinery. Mifflin Co., ¼ mi. W. of Granville, PA, 4 mis W. of Lewistown on Rt. 103. Daniel B. Stoltzfus. Mark Glick, Auct

SAT. FEB 25 - 9AM Consignment Auction at Paul Zimmerman Farm, along Plaesant Valley Rd , West Earl Twp , Lanc Co., PA. By: Paul Zimmerman & Ivan Martin. Reist Aucts.

SAT FEB 25 - 9AM Farm Machinery, Personal Property, HH. Littlestown, PA, Adams Co Norman & Leola Bang. Kline & Kreider Aucts.

SAT. FEB. 25 - 10AM Holstein Dairy Cows and Farm Eq. 4 mis. N. of Bowmansville, along Rt. 625, Berks Co., PA. Terms by: Paul M. & Eva S. Brubaker. Horning Farm Agy. Inc.

TUES. FEB. 28 - Located 2 miles northeast of Gap Full line farm machinery (4) tractors, Int. 886 w/cab, radial tires. Equipment all in mint condition. Christian & Katie Zook, Owners. Steve Petersheim & Steve Jr Aucts.

TUES. FEB. 28 - 9AM Good Line of Farm Eq Mifflin Co., between Reedsville & Belleville, PA, along Garver Rd. Mahlon Peachey. Mark Glick, Auct

TUES. FEB. 28 - 9 30AM Modern Farm Eq Take 896 S. of Strasburg to Rt 372 E 1 mi turn S on Quaker Church Rd. 3 mi. through railroad underpass, 1st lane left. Lanc Co., PA Kenneth G Stoltzfus 215-593-2363 Diffenbach Aucts.

FARMERSVILLE AUCTION

MON., JAN. 2, 1989

8:00 A.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

Antique and Collectibles Auction.

Oak Furniture: Fancy sideboard; side x side w/bowed glass, Monarch kitchen cabinet; sectional bookcase; slant-top desk; wardrobe; princess dresser; library table; chifferobe; beds; round table; set of chairs; washstand w/ mirror; filing cabinet; curio cabinet; dressers; chests of drawers; stands; plus much more.

Misc. Furniture: Fine wicker table; 7' chestnut cupboard; walnut drop leaf ext. tables; dovetailed blanket chests; mah. library table; Guston Stickley liquor cab. (as is); nice mah. filing cabinet; Eastlake loveseat & chair; rope beds; B&C slant top desk; wicker rocker; Victorian chairs; childs wicker rocker; pottie chairs; Early 1 drawer stands; plank bottom settee (as is); Eastlake fainting couches; small wooden wheelbarrow; 4 pc. mah. bedroom suite; 6 drawer Singer treadle sew. machine; tea carts; marble top Victorian stands; plank seat rockers; wood box; plus much more.

Misc. Items: New & old quilts and quilt tops; wall & shelf clocks; pictures and frames; crocks; baskets; violins; hanging lights; dolls; coins; International & John Deere pedal tractors; horse & wagon pedal toy; sad irons; redware pie plates; cookie cutters; green opalescent dishes; glassware; army rifle; agateware; tools; linens; cast iron monkey; wooden printers drawers; printers blocks; milk bottles; plus tables & tables full of small items. Lots more, etc., etc.

Furniture at 10:00 A.M. Quilts at 2:00 P.M.
NO OUT OF STATE CHECKS!
WE SELL ON COMMISSION

Call JOHN J. RUTT
(717) 354-5095
R4 Ephrata

Auctioneer: Larry Rutt
AU-2455-L

Complete Maryland Herd Dispersal

At The Shady Lane Dairy Sales Inc.

23 Shady Lane, Quarryville, Pa. 1/4 Mile West of Quarryville, off Rt. 372 onto Oak Bottom Road.

Wed., Jan. 4, 1989

11 A.M.

Blizzard Date, Thurs. Jan. 5

100 head of registered and grade Holstein. Herd consists of 52 head with several cows recently fresh with balance springing in all stages of lactation. 7 cows from Chester Co. most all fresh or springing with records of up to 23,000 of milk. 50 head of fresh and springing cows bought off of dispersals in the last 2 months.

Sale Managed By:

SHADY LANE DAIRY SALES, INC.

23 Shady Lane, Quarryville, Pa.

Glenn D. Fite **717-786-2750**

David L. Fite **717-786-1725**

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

TUES. FEB. 28 - 10AM Farm Equip. located approx. 9 miles NE of Reading between Yellow House & Oley just off Rt. 662 along Oley Turnpike Rd. Terms by Samuel L. & Joyce Mast. Elton Horning, auctioneer.

MARCH

WED. MAR. 1 - 9AM Located: Irishtown Rd., Ronks, Pa. Farm Machinery, Mules & Household Goods. Owner, Mary Lapp. Auctioneer, Steve & Steve Jr. Petersheim.

WED. MAR. 1 - 11AM Farm Tractors, etc. located 2 miles Northwest of Danville, Pa. Owner Robert Patterson Fraley Auction Company.

THURS. MAR. 2 - RD, Newville, PA. Complete Machinery Dispersal. Glenn & Hope Glesner, Owners. Kling's Aucts. Inc.

THURS. MAR. 2 - 9AM Holstein Herd, Farm Machinery. Chester Co., Moscow Rd. Christ K. King, Owner. Steve Petersheim & Steve Jr., Aucts.

THURS. MAR. 2 - 9AM Dairy Cows, HH, Farm Eq. Located approx. 3 N. of Intercourse along Centerville Road. For: Samuel S. Lapp. Robert E. & Jeffrey R. Martin, Aucts. 717-656-7770.

THURS. MAR. 2 - 10AM Farm Machinery. Mifflin Co., 2 mis. S. of Belleville, PA. Marlin W. Peachey. Mark Glick, Auct.

FRI. MAR. 3 - 9AM Annual Spring Machinery sale at Belleville Livestock Mkt. Selling all kinds of machinery & on consignment. B.L. Mkt. Inc.

FRI. MAR. 3 - 9:30AM 30 Acre Fruit Farm, Personal Property. Lanc. Co., PA. 2 mis. SW of Christiana on Valley, 6 mis. E. of Quarryville, from Rt. 896 go E. on Valley, from Rt. 41 go W. on 372 to Valley Rd. Lapp's Market. Petersheim Aucts.

FRI. MAR. 3 - 10AM Horse Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

SAT. MAR. 4 - Farm Implements, Carpenter Tools, Dairy Heifers, HH. Located along Center Church Rd., midway between Terre Hill & Bowmansville, 1 mi. W. of Center Church. Mahlon Horning, Owner. LeRoy S. & Paul W. Horst, Auct.

SAT. MAR. 4 - Meiserville, PA. Livestock & Farm Machinery. David Weaver, Owner. Kling's Aucts. Inc.

SAT. MAR. 4 - Farm Machinery & HH. Eber A. Barrick, 42 Clay Rd., Carlisle, PA, Rt. 11, 5 mis S. of Carlisle turn N. at Golf Course onto Greason Rd. to Clay Rd., turn left and 1 mi. to farm. Rife & Lay, Aucts.

SAT. MAR. 4 - 9 30AM Farm Machinery, Dairy Eq. Centre Co., between Spring Mills and Milheim, PA. Russel Tice. Mark Glick, Auct.

SAT. MAR. 4 - Bart Township Fire Co. All Day Sale of General Merchandise. Building Materials Only Sale March 18.

TUES. MAR. 7 - 9AM Public Auction of Farm Machinery, Livestock, and Household Goods Located 1½ mile north of Churchtown, along Hammetown Road. Sale by Benuel and Katie King. Snyder and Horning, Auctioneers.

TUES. MAR. 7 - 9AM Large Line of Farm Machinery & Misc. Farm Items. Huntingdon Co., between Petersburg & McAlevys Fort, PA, along Rt. 305. Eberle Brothers. Mark Glick & Dale Gibboney, Aucts.

TUES. MAR. 7 - 9AM New Farm Eq. 5 mis. E. of Elizabethtown along Harvest Rd. By: Blain A. Wingert. Raymond Miller, Jim Hershey, Rufus Geib, Aucts.

TUES. MAR. 7 - 9:30AM Farm Machinery, 4 pair of top of the line sorrel mules, few household goods. Located 2 miles south of White Horse. Sale for Jonas L. and Sadie Stoltzfus. Petersheims, Aucts.

TUES. MAR. 7 - 9:30AM Livestock & Farm Eq. 2 mis. SW of White Horse, 5½ mi. E. of Intercourse, 1 mi. S. of Rt. 340 along Nullwood Road, Lanc. Co., PA. John E. Stoltzfus, Owner. Diffenbach's Aucts.

TUES. MAR. 8 - Hay Straw 10:30AM, Heifers 11AM. Heifer Sale For World Relief. Melvin Kolb's Black and White Dairy Barn. Dairy Rd., Lanc., Pa.- 2 Miles West, Use Flory Mill Road Exit. All Sale Proceeds Will Be Donated To MCC- Mennonite Central Committee. John Umble, Lee Kurtz & Omar Stoltzfus, Aucts.

PUBLIC AUCTION

OF 165 ACRE FARM
FARM MACHINERY, TOOLS, BUTCHER EQUIPMENT, ANTIQUES AND PERSONAL PROPERTY

SATURDAY, JANUARY 21, 1989
10:00 A.M.

LOCATION: Along Stoner Road, Fredericksburg, Pennsylvania in Swatara Township. From Fredericksburg take the Lickdale-Fredricksburg Road to Stoner Road, turn left on Stoner Road, then left at first lane to farm. From Rt. 72 North take the Lickdale-Frederickburg Road to Stoner Road, turn right on Stoner Road then left at first lane to farm. Watch for signs.

LOCATION FOR AUCTION SITE: From Rt. 72 North take 22 East drive eight tenths of a mile, turn north on Lancaster Street to Mowery Road, turn right and drive approximately 1 mile to Auction on left. Watch for signs.

Farm consists of 165 acres more or less with approximately 100 acres tillable land, over 40 acres of wood land with mature trees (oak, poplar, etc.) and the remainder of the land surrounds the log house. There also are 3 springs and 1 stream on the land. The barn no longer stands, but the rock foundation is still there.

The log house has a living room with panelled walls and wall to wall carpet. The kitchen has printed wall board, plenty of cupboard space and linoleum flooring. There is a full bath with shower and one other room which could be used for an office or den. The upstairs has 3 bedrooms and a sewing room or play room. The house is heated by an oil hot air furnace (2 yrs. old) and has an electric hot water heater (1 yr. old). There is a never failing spring in the basement of the house which supplies it with all the water you will need. Attached to the house is a breezeway and large 2 car garage. The home has exposed logs in the front with aluminum siding on the rest of the house with storm windows and a galvanized roof, recently painted. If you are looking for a farm to start a beef farm or just for an investment don't miss this auction.

TERMS: 10% down day of Auction and balance due in 60 days.

Conditions by:
MARIAN LIGHT
Attorney Walter A. Whitmoyer, Jr.

AUCTIONEERS:
DAVID L. and ROY I. EBERSOLE
Lic. #AU-000-246-L
Phone 867-1041 or 838-4950

Watch for full listing at later date

PUBLIC SALE

OF 2.71 ACRES — ZONED C-1
WED., JAN. 4, 1989
AT 2:00 P.M.

North Main Street, Reamstown, Lancaster County, PA. (Directions 1 Mile south of PA Turnpike Exit #21 - Just off Route 272).
2.71 ACRES UNDEVELOPED LAND Zoned C-1.
340' M/L FRONTAGE
BOROUGH WATER & SEWER AVAILABLE

Excellent Location — 1 Mile Off PA Turnpike Exit #21, Easy Access to Metropolitan Areas.

FOR DRAFT OF PROPERTY, SEND STAMPED ENVELOPE TO ERWIN Z. NEWSWANGER, R.D.#3, BOX 173, DENVER, PA. 17517.

FOR INFORMATION OR INSPECTION, CALL 215—267-4626.

TERMS BY:
ERWIN Z. NEWSWANGER

HORST AUCTS.
T. Glenn
Timothy G.
Thomas A.
AU438L
859-1331 — 738-1245
"VOICES OF EXPERIENCE"

PUBLIC AUCTION

FARM EQUIPMENT; TRUCKS

TUES., JAN. 3, 1989

at 11:30 A.M.
Located along old Route 22 halfway between New Smithville & Krumsville exits of Route 22 & I-78, Greenwich Twp., Berks Co., Pa.

TRACTORS

JD 2020 diesel w/JD 48 hyd loader w/3 buckets; JD 730 gas tractor w/3 pt. hitch & heat houser cab.

TRUCKS

1968 C-50 Chevy w/14' dump body; 1940's Int. dump truck (needs help).

ASSTD. FARM EQUIPMENT

(2) JD 5 btm. 16" 3 pt. side hill plows; JD 10' transport roller harrow; NH 54 hay rake; JD 14' mow conveyor; AC forage wagon; single act. hyd. dump wagon; Papec forage blower; Kewanee 20' wing rotary hoe (3 pt.); 2 whl. trailer; used tractor & truck tires; U.S. bedding chopper w/5 hp Honda eng; 4 bay calf stall; Smidley 16 hole hog feeder; 12 hole rd. hog feeder; JD 2 row potato planter; 5 hp aux. water pump; air comp. w/tank (less motor); 3 fuel tanks; 2 Rupp trail bikes; 6' pickup camper top; sm. Dellinger feed grinder; 2 hole corn sheller; poultry crates; some horse harness; collars & single & double trees etc.

Terms--Cash or Check
Ordered by
GRACE F. KUNKEL

Refreshments Available

P O Box 215 • Fogelsville, PA 18051 • 215-395-8084 • License #AU001809 L
RALPH W. **ZETTLEMOYER AUCTION** INC.

Public Auction

Of Farm And Grain Equipment
Mr. Benjamin F. DuBois
SATURDAY, JAN. 7, 1989
Storm Date- Jan. 14, 1989
Time 10:00 A.M.
Rt. 47, Clayton, N.J.

Combines: 1981 M.F. 750 Combine, 1979 M.F. 750, 1978 M.F. 750, 1977 M.F. w/Extra Heads.
Tractors: 1978 M.F. 1155 (2000 Hrs.), 1977 M.F. 1805, 1974 M.F. 1135, 1974 M.F. 1973 M.F. 175, 990 David Brown, J.D. 40, Allis Chalmers w/Loader, Ford w/Fork Lift, 55 Oliver.
Trucks: 1975 G.M.C. P.U., 1973 Kenworth Tractor, 1971 Int. Tran-Star, 1963 Ford F200, 1960 FWD Dump, 1959 FWD w/Fert. Body, 1959 FWD (Parts).
Trailers: 40' Highway w/Canvass, 40' Fruehauf, 40' Grain Trailmobile, 4000 Gal. Tank Trailer, 2-4 Wheel Wagons, 1- Dump Wagon, 2 Corn Wagons, 4 Place Snowmobile Trailer.

5- Grain Tanks, 1- Wet Holding Tank, 1- Seed Cleaner w/Auger, Tank, Building, Electrical Panels, 2- G.T. Dryers w/Cover, 1- 52'x8" Grain Auger, 1- 40'x8" Grain Auger, 1- 16'x6" Auger, 1- Fert. Elev., 1- Hay Elev., 1- 357 New Holland Feed Grinder, 1- 6 Row Int. Airplanter w/Fert. Attach., 1-9 Row A.C. 600 No-Till Planter, J.D. Corn Planter w/Fert. Attach., J.D. Grain Drill, J.D. 71 Unit Bean Planter, M.F. 43 Grain Drill, 22 Row Double Disc Opener, J.D. 3 Pth. 3 Bottom Plow, Brillant Grass Seeder (Like New), 1-Seed Cleaner, 10' Bush Hog, 12' Bush Hog, 1- M.F. 11 Tooth Chisel Plow, 1- M.F. 13 Tooth Chisel Plow, Model 880 16"- 6 Bottom Plow, 1- 14' Culti Mulcher, 1- M.F. 24' Disc Harrow w/ Hydra Wings, 1- White Offset 16' Disc Harrow, 1- 3 Pth. 2 Bottom 14" Plow, 10' Snow Blade, Int. Baler Hay Rakes, 25 H.P. Electric Irrigation Pump, Welder On Wheels, 1-2' Scratch Harrow, 1- 26' Scratch Harrow, Parts For M.F. And International Equipment, Many Other Items. (Old Barn- Good Barn Boards).

Auctioneers Note: Owner Has Been A Grain Farmer And Grain Dealer For Many Years, But Having Sold Farm Everything Will Be Sold To Highest Bidder, Everything Well Cared For. (Off Rd. Parking). Take 322 East Off C. Barry Bridge To Rt. 47 In Glassboro, Turn Right To Clayton (About 20 Mile From Bridge).
Out Of State Checks Accompanied w/Bank Letter Of Approval

Ralph D. Hughes- Auctioneer
1-609-589-6454
Member N.A.A.
Terms- Cash Or Good Check
Lunch- Avail.

PUBLIC AUCTION

OF VALUABLE GRANDFATHERS CLOCK- FURNITURE- ANTIQUES- COINS- COLLECTIBLES & PERSONAL PROPERTY

On Friday, Jan. 6, 1989
At 3 P.M.
& Saturday, Jan. 7, 1989
At 9 A.M.

At Springetts Fire Hall, 3013 E. Market St., York, Pa. Selling for H. Alvin Jones of New Oxford, Pa.
Earl L. Herbert Estate of York, Pa. & Others

Alex W. Alexande, Glasgow, Grandfathers clock, mahogany case, 8-day clock, 8 ft. high, has brass plate dated 1741, Victorian sofa, ladies & gents chairs, tilt top tables, sideboard, cherry & walnut drop leaf tables, cane & plank bottom chairs, rockers, chest of drawers, marble top wash stand, mirrors, beds, oak dressers, oak pharmacist desk, oak table, dresser & clothes tree, fancy oak buffet, stands, ball & claw foot slant front desk, gateleg table, Victorian chairs, 2 pc. cherry dutch cupboard, brass bucket, Zimmerman painting, Griswold & Wagner iron pcs., iron cat & dogs, Aunt Jemima door stop, Theodore Haviland china, approx. 125 pcs. of Halls, carnival, Depression glass, asst. old dishes & glassware, sterling in William & Mary pattern, picture frames, sled, scales, bench, wooden rake, linens, lamps, post cards, cabinets of old cigar labels, lots of cigar bands, assorted small collectibles, coins consisting of 1881 - $5.00 Liberty gold pc., 1901 Liberty $5.00 gold pc., 1912 Indian $2.50 gold pc., lot of silver dollars in assorted dates, 2 bags of silver coins, lot of Indian Head cents & misc. coins & many other items too numerous to mention. Not responsible for accidents on day of auction.

PREVIEW SHOWING: Friday, Jan. 6, 1:30 P.M. to 3 P.M. & Sat. 1 Hr. prior to auction.
TERMS: Cash, Cashiers or Travelers checks. No out of state or personal checks unless a regular & approved customer, all others must have a current letter of credit from your bank.

JACOB A. GILBERT, LIC. #336,
BRIAN L. GILBERT, LIC. #2256
AUCTIONEERS & SALES MANAGERS

Attention! Attention!
Farm Equipment and Tire Dealers
Interested In Buying Or Selling Goodyear Tires In Your Business? Contact Ken Morgan, Mgr.
Farm Tire Sales
Goodyear Tire & Rubber Co.
Scott Plaza #2
Philadelphia, Pa. 19113
215/521-4000

Dairy and Livestock Sales

Public Auction Register

Closing Date - Monday, 5 00 P M
of each week's publication

WED. MAR. 8 - RD5, Newville, PA. Complete Line of Farm Machinery. Ronald & Louise Baer, Owners. Kling's Aucts. Inc

THURS. MAR. 9 - Kolbs Sale barn, Lancaster, PA. 9th Annual PA World Relief Heifer Sale. Wilmer Kraybill, Manager.

THURS. MAR. 9 - 9AM Messick Farm Eq. Annual Consignment Auct. Raymond Miller, Jim Hershey, Rufus Geib, Aucts.

THURS MAR. 9 - Veg. & Irrigation Eq. For John DeMarco, Hammonton, NJ. Col. Fred R Daniel, Auct.

THURS. MAR. 9 - 9AM Farm Machinery for C. Witmer Sherer, Manheim, PA. J. Omar Landis Auct. Serv. Jay M. Witman.

FRI. MAR. 10 - 9AM Equipment Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

SAT. MAR. 11 - RD4, Carlisle, PA. Farm Machinery Dispersal. Calvin Smith, Owner. Kling's Aucts. Inc.

SAT. MAR. 11 - Farm Equipment. Located along Hammertown Rd., 1 mile north of Churchtown, Caenarvon Township. John H. Martin. Paul W. and Leroy S. Horst, Aucts.

SAT. MAR. 11 - Farm Eq. Along Hammertown Rd., 1 mi. N. of Churchtown, Caenarvon Twp. Paul W. & LeRoy S. Horst, Aucts.

SAT.MAR. 11 - 8:30AM Annual Spring Sale, Gordonville Fire Co., Household Goods, Livestock, Antiques, Quilts. Gordonville Fire Hall, Gordonville, PA, Lancaster Co. Terms by the Sale Committee. Local auctioneers.

REAL ®

COMPLETE HERD DISPERSAL

Friday, January 6, 1989

11 A.M.

Between Troupsburg And Rexville, N.Y. On County Route 117- Young Hickory Rd. Steuben Co. 30 Mi. West Of Corning. 30 Mi. South Of Hornell, 30 Mi. East Of Wellsville. Follow Beard Auction Arrows From Troupsburg, N.Y.

Selling 40 head of Holstein dairy cattle, 126 mature cows, in all stages of lactation, 10 bred heifers, 4 open heifers. A-I bred for the last 15 years. Herd ave. 15,600, ind. records to 22,000. Half of the herd is fresh within the last 2 months or springing to freshen in the next 2 months. Some real sharp individuals in this herd. 30 day blood and TB tested, ready for interstate.

Owner,

FRANK SYMONDS

Sale By Beards,
Knoxville, Pa.
Lic. AU-000051-L

Public Auction

MODERN FARM EQUIPMENT
16x60 RIBSTONE SILO
W/SUPREME UNLOADER, MILK TANK & EQUIPMENT, SMALL FARM RELATED ITEMS

SAT., JAN. 7, 1989

At 10:00 A.M.

Located along Christmas Village Road, Berks Co., Pa. Traveling on Rt. 183 between Strausstown and Reading, ¼ mile South of Bernville turn West off of Rt. 183 go toward Robesonia for ½ mile, turn North go toward Womelsdorf for 2 miles to first farm on left past the Christmas Village.

TRACTORS- Int. 966 diesel w/open cab-single hyd.-3 pt., Int. 706 diesel w/hyd-3 pt.-Int. #2000 loader w/7 ft. bucket & manure fork, Int. 450 gas w/hyd.-2 pt.

FARM EQUIPMENT- Int. 435 baler w/ thrower (like new), Int. 650 harvestor w/2 row wide & narrow corn heads & 5 ft. grass head, Int. 990 haybine w/9 ft. cut, Int. 100 7 ft. grass mower, Int. flail chopper, New Idea reel hay rake, (2) Int. 110 forage wagons, (4) 16 ft. hay wagons w/wooden sides, gravity bin wagon, Int. 56 4-row corn planter, New Idea 323 1-row corn picker, N.H. 30 ft. bale elevator, 12 ft. 4 in. grain auger, Gehl 95 grinder mixer, Int. 56 blower, New Idea 362 manure spreader w/ single beater & tailgate, Int. 370 13-ft. transport disc, Int. 55 9-tooth chisel plow, Int. 540 14-in. 4-btm. trip plow, Int. 45 14-ft. Vibrashank harrow, J.D. 12-ft. rotary hoe.

MISC. ITEMS- Int. 295 welder, Fidelity 20 kw generator, 2-pt. back blade, round bale rack, hand corn sheller, platform scale, cattle waterer, (3) 150 gal. fuel tanks, 275 gal. fuel tank, sm. air compressor, many sm. farm related items.

MILK EQUIPMENT- 800 gal. Mueller tank, Surge 40 plus milker comp, (4) Surge 50 lb. milking units, Kesco dumping station, vacuum line for 45 cows.

Terms: Cash or Pa. check, day of auction. Auct. Note: Blizzard date- Tues., Jan. 10th. Owners retiring from farming. Milk tank & silo sold with a reserve, most equipment field ready.

Sale order: small farm related wagon items, milk equip., silo, row items and farm equip.

Auction Ordered By:

DONALD W. DAVIS &
SHIRLEY R. DAVIS

Auctioneers:
Dennis F. Wagner
AU-001427-L
Phone: (215) 562-7445
Brian R. Folk
AU-002527-L

Refreshments Available

PUBLIC AUCTION

Location: R.S. Tarbutton Farm, 6 miles South West of Galena, from Galena take Route 213 South approx. 6 miles bear right at Vonnies on 298, 1st farm on right. (Before Kennedyville, Md.)

MONDAY,
JANUARY 9, 1989

At 11:00 A.M.

FARM MACHINERY:

International F 1086 Tractor-Cab & A/C-Dual Wheels ROPS Control Center, Int. 13' Chisel Plow, Int. #4512 V-J Field Cultivator 18½ ', Int. #501 Disc Harrow 16', Int. #500 Cyclo-Hyd Fold Planter-8 Row 30" Corn Insecticide Attch-Monitor- No Till Attch-Depth Gauge Wheels, Int. #133 Vibratine 8 Row 30" Hyd-Fold Cultivator, Brillion 20' Crow Foot Cultipacker w/Transport Wheels, JD 20x7 Grain Drill w/Single Disc Openers, Subsoiler-2-Shank, Int. #850 Portable Grinder-Mixer, N.H. #271 Baler, Anhydrous Tanks Mounting For Int. 1086 or 1066 Tractor, (2) 200 Gal. Sprayer Tanks, John Blue Hyd. Spray Pump, John Blue 3 Pt. Hitch Spray Pump & Spray Boom, Patz 20' Silo Unloader, Badger 18' Power Trail Unloader, 1971 Ford Grain Truck.

Also: At the same location for Bill McDonalds, JD #35 Forage Harvester w/2 Row Wide Corn Head, Gehl #99 Forage Blower, (2) M & W 200 Bu Wagons, Badger #950 Forage Wagon, New Idea 48' Bale Elevator, Brillion 4 Row "S" Tine Cultivator, JD #1240 - 4-Row Plate Planter w/Gandy Boxes.

RICHARD S. TARBUTTON
Owner
Kennedyville,
Maryland
HARRY RUDNICK & SONS, INC.
Sales Manager, Auctioneers,
Real Estate Broker
Galena, Md. 21635
Phone: 301-648-5601

Complete Dairy Herd Dispersal

Friday, January 6, 1989

12:00 Noon

Located in Union County ¼ mile southeast of Vicksburg along Beaver Run Rd. midway between Lewisburg and Mifflinburg just off Rt. 45.

45 HI GRADE
HOLSTEINS 45

Herd consists of 35 mature milking animals of which 15 are in their first lactation; 1 bred heifer due February; 3 yearling open heifers and 6 good started heifer calves.

This is a good quality young A.I. sired and bred herd with D.H.I.A. records and lots of milk. Several animals sell recently fresh or due around sale day.

R.H.A. 21,171 3.4 713

Charts, Catalogs, Tent, Lunch, DHIA Records

XR16 Semen Tank With Approx. 50 Straw Semen, DeLaval 45 Lb. Pail Unit.

Terms: Cash Or Good Check

Nelson Z. And
Esther M. Martin,
Owners
R.D. Box 52
Mifflinburg, Pa. 17844
Phone 717-966-3765
Bryan D. Imes, Auctioneer
RD 2 Box 2280
Port Royal, Pa. 17082
Phone 717-527-2449
AU-001656-L

UNRESERVED

PUBLIC AUCTION

OF THE LIBRARY & COLLECTIONS OF THE LATE DAVID MUSSELMAN

to be held

SAT., JANUARY 7, 1988

beginning at 9:30 A.M.

At the Akron Fire Hall, 1229 Main St., Akron, Lanc. Co., Pa. **Complete IL Catalogue available by mailing $10 to Musselman Auction, c/o C.E. Spohn, 837-B W. Main St., Ephrata, Pa. 17522.**

624 Lots - RARE HEINRICH OTTO DEC. TAUFSCHEIN & 1784 (Ephrata) "Geistlichen Irrgarten"; 1801 Fred. Krebs Tauf-Schein; 100 Lots of Ephrata Imprints - 8 copies of 1748-'49 **Martyr's Mirror,** 1754, Bunyan/**Christen Reise,** 1763 Barba/ **Unterricht von Metallen,** 1763 Benezet/...**Africa, Welches bewohnt wird von Negroes,** 1797 **Kinder Im Wald,** 1803 **Weiber-Buchlein,** 1803 **Ross-Arzney Buchlein,** 1828 Hohman/**Lange Verborgene Freund,** etc.; 18th Cent. Doctor's THS Recipe Book; Penna. German & Misc. Broadsides (Peter Montelius, etc.); Fraktur Bookplates; Early Imprints - Phila., Germantown, Lanc., Reading, Lebanon, Hbg., etc.; G.S. Peter's Children's Books; 1776 Saur Bible; Set of Saur Devotional Cards w/ Case; Penna. German Hist. & Literature; Penna. German Soc. Pub.'s; Pa. History (Lanc. & Berks Co.); Misc. Books on Antiques, Tech., Architecture, U.S. History, etc.; Civil War Soldiers Letters; 200 Lots of U.S. First Day & First Flight Covers, Misc. Stamped Covers & Covers w/Letters, U.S. Plate Blocks; Vintage Photo's & Post Cards - Ephrata Cloister, etc. Early P.O. Numeral & Defacing Stamps, etc.

Terms by:
Sara B. Musselman

Catalogue by: Clarence E. Spohn
(717) 733-6276 or 738-3080 (evenings only)

HORST AUCTIONEERS
AU438L
717-859-1331 & 717-738-1245

PUBLIC SALE

OF REAL ESTATE, 5 CARS AND TRUCK' HOUSEHOLD GOODS, SOME ANTIQUES

SATURDAY, JANUARY 14, 1989

LOCATED 1 MILE NORHT OF NEW HOLLAND, PA. ALONG NORTH RAILROAD AVE. FROM HINKLETOWN TAKE NORTH RAILROAD AVE. 2½ MILES TO SALE, LANCASTER COUNTY.

SALE TIME 11:00 A.M.
REAL ESTATE 1:00 P.M. — CARS AND TRUCK 1:30 P.M.

REAL ESTATE

3 acres, more or less, with 2 dwellings, barn, 2 utility sheds, brick ranch dwelling, 3 bedrtooms, bath, large living room, kitchen, enclosed porch, 2-car garage, carport, electric heat, well

#2 dwelling — 2½ story brick dwelling, 4 bedrooms, bath, kitchen, living room, dining room This dwelling needs repairs. 48 by 66 frame bank barn, 18 by 48 forebay

Terms for Real Estate — 10% down day of sale, balance on or before March 1, 1989. Open for inspection Saturday, January 7 from 12 till 4

CARS AND TRUCK

1984 Plymouth Gran Fury 4-Door, 20,650 miles
1975 Dodge Dart Special Edition 4 Door, 54,485 miles
1975 Dodge Dart Custom 4-Door, 16,760 miles
1976 Dodge Charger 2-Door, 77,253 miles
1973 Plymouth Valiant 4-Door, 41,151 miles
1976 Dodge Custom 300 1 ton truck with 8 ft cattle rack, 67,000 miles
All cars and trucks have original miles

HOUSEHOLD GOODS — SOME ANTIQUES

G.E. Refrigerator, Side by Side with Freezer, Freezer Upright, G E Dryer, Breakfast Set; Drop Leaf Table & 4 Chairs, Small G.E. T V ; 4-Piece Bedroom Suite with Box Spring and Mattress, Double Bed with Box Spring and Mattress; Dial Sewing Machine; Single Bed, Living Room Suite, 2 Recliners, Swivel Rocker; Small Antique Desk; Piano Stool, Milk Cans, 2-Door Metal Cabinet; Small End Tables; Hoover Sweeper, Lawn Chairs; Kerosene Heater; Cedar Chest, Clothes Trees; Window Fans; Table Lights, Floor Lights; Can Opener; Metal Lawn Table, 2 Wooden Benches; Extension Table, Tupperware; Revere Ware in Pots and Pans, Dishes; Towels, Pillows, Bedspreads, Blankets, some new, Jars; Portable Air Tank, Small Central tractor Air Compressor; Tools, Garbage Cans, Car Ramps, Electric Heaters, Stepladder; Bicycle; Dynamark Mower, like new, electric start, Proven Riding Mower, electric start, Lawn Sweeper, Jacobsen Mower; Small Wheelbarrow, Small 2-Wheel Trailer; Small Shed, many other items.

TERMS BY
LLOYD ROSENBERRY EST.

Paul Snyder, Auct. AU-000873-L
717-733-7052
Fasnacht, Clerks
Eaby and Eaby, Atty.

No Out of State Checks
Refreshments by Farmersville Fire Co.

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT. MAR. 11 - 9AM Holstein Dairy Herd & Farm Machinery. Centre Co., 2 mis. S. of Aaronsburg, PA. Robert E. Styers. Mark Glick, Auct.

SAT. MAR. 11 - 9AM 150 Holstein Dairy Heifers, small items, etc. Owner moving. Located near Port Trevorton, Pa Sale for James and Ethan Martin. Fraley Auction Co.

TUES. MAR. 14 - 9AM Farm Machinery, Tools, misc. Community Sale. Along S. Farmersville Rd., 1 mi. S. of Farmersville, 2 mis N. of Bareville, PA West Earl Twp. Terms by: C W. Shirk Paul Horst & Roy Good, Aucts.

TUES. MAR. 14 - 10AM Farm Machinery, Dairy Eq. Centre Co., 3 mis S of Millheim, PA, at Coburn, PA. Donald E & Rosella Moore. Mark Glick, Auct.

WED MAR. 15 - 11AM Farm Machinery, 3 IH tractors, produced for the late Harry Pentz located near Montoursville, Pa. Owner Helen Pentz. Fraley Auction Co.

THURS. MAR. 16 - 9AM Power Farm Eq., 3 Tractors. 1 mi. N. of Intercourse. Jessie & Susie King Steve Petersheim & Steve Jr., Aucts.

FRI. MAR. 17 - 9AM Valuable Antiques, HH. Salisbury Twp., between Rt 340 & 322, turn N. off Rt. 340 at E. end of White Horse and Cambridge Rd , 3 mis. to Red Hill Rd., turn left, first farm left. Ralph E. & Reba Hillard. Robert E. & Jeffrey R. Martin, Aucts.

FRI. MAR. 17 - 7PM Horse Sale at New Holland Sales Stables Inc , 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

SAT. MAR. 18 - McConnelsburg, Fulton Co , PA Farm Machinery. Mrs. Clyde Bivens, Owner. Lyle Reed & Art Kling, Aucts.

SAT. MAR. 18 - Farm Machinery for Mr. Maybury, Rancocas, NJ Allen Nixon, Auct.

SAT MAR 18 - 9AM Large Line Modern Farm Mach Centre Co., 2½ mi. W. of Boalsburg, PA, along Rt 45. Aulworth Farms, Tessie Wasson Mark Glick, Auct

SAT. MAR. 18 - 9AM 26th Annual Spring Sale, Kempton Community Center, Northern Berks Co. 14 Auctions 215-756-6511.

SAT. MAR. 18 - 9AM Fraley's Annual Spring Consignment Sale located 3 miles east of Muncy, Pa. Sale conducted by Fraley Auction Co.

SAT. MAR. 18 - 9.30AM Farm Machinery, Sows, Shoats, HH. Chester Co., PA, Moscow Rd Jacob H. King, Owner. Steve Petersheim & Steve Jr., Aucts.

SAT. MAR 18 - 9 30AM Holmdel Valley Farms Large Farm Machinery Auction at Holmdel, NJ. Col. Fred R. Daniel Aucts.

WED. THURS FRI. MAR. 22, 23, 24 - Farm Eq. Marion, PA. Ralph W. Horst, Mgr.

TUES. MAR. 21 - 12 Noon. Holstein Dairy Herd, Milk Eq. Centre Co., 2 mis. E. of Aaronsburg, PA, along Rt. 45. Dean Winkelbech. Mark Glick, Auct.

THURS. MAR. 23 - Late Model Hay & Grain Machinery. For Somerville Sheep Farms, Farm Rd., Somerville, NJ. Col. Fred R. Daniel, Auct.

SAT. MAR. 25 - Millersburg, PA Farm Machinery Larry Boyer, Owner. Kling's Aucts. Inc.

SAT. MAR. 25 - 9.30AM Farm Machinery, JD, 5 Tractors, HH, Antiques. Chester Co , PA, Rt. 896. Hoopes L. Jean E Yarnall. Steve Petersheim & Steve Jr , Aucts.

FRI MAR. 31 - Landisburg, Perry Co., PA. Kling's Annual Machinery Consignment Sale Kling's Auct Inc.

FRI MAR. 31 - 10AM Farm Equipment. 11294 L W.W. Ft Loudon, Franklin Co. Pa J Robert Meyers, AU-000-601-L Aucts.

APRIL

FRI. & SAT. MAR. 31 & APR. 1 - 6PM & 8:30AM 7th Annual Lancaster Farm Toy Auction, Show & Sale at Willow Valley Family Resort & Conference Center, Rt. 222, approx. 3 mis. S. of Lanc. Co.

SAT. APR. 1- 9AM Farm Machinery, Hog Eq., HH. Centre Co., 3 mis. N. of Bellefonte, PA, on Rt. 550, turn left on Musser Lane. Ron & Elva Kerstetter. Mark Glick, Auct.

TUES. APR. 4 - 6PM RV & Lawn Mower Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

FRI. APR. 7 - 7PM Horse Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

FRI APR. 14 - 9AM Equipment Sale at New Holland Sales Stables Inc., 12 mis. E of Lancaster on Rt. 23, New Holland, PA.

SAT. APR 15 - Lawn & Garden Equipment. By. Lawn Care of PA. Daniel Z. Martin. Martindale along Gristmill Road, Lanc. Co., PA. Kline & Kreider Aucts.

SAT. APR. 22 - Personal Property & Antiques. 615 Owl Hill Road, Lititz, PA. Harry S. & Anna M. Huber. Kline & Kreider Aucts.

FRI APR. 28 - 7PM Horse Sale at New Holland Sales Stables Inc., 12 mis. E. of Lancaster on Rt. 23, New Holland, PA.

SAT. APR. 29 - 9AM Equipment, Trailers, Inventory for MGS Inc. Denver, PA Kline & Kreider, Aucts.

NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 5 P.M. Tuesday of each week's publication.

Dairy and Livestock Sales

DEALER IN ALL KINDS OF LIVESTOCK

Also Crippled & Down Cattle

MARLIN S. IRWIN

Quarryville, PA
PH: 717-786-3016

SALE EVERY TUESDAY
Graded Sale
1st Tuesday each month
2 P.M.
Horse Auction
2nd Saturday each month
1 P.M.

FAUQUIER LIVESTOCK EXCHANGE
Marshall, Va.
703-364-1566

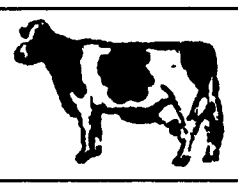
PIGS

STATE GRADED SALE
FRI., JAN. 6
1:30 P.M.
WESTMINSTER
LIVESTOCK AUCTION
Westminster, MD

Now holding 2 sales each month on 1st & 3rd Fridays.

Phone (301) 848-9820
or (301) 857-1179

NEW HOLLAND SALES STABLES, INC.



Located 12 Miles East of Lancaster, just off Rt. 23, New Holland, Pa.

SPECIAL DAIRY SALE CONSIGNMENTS For WEDNESDAY, JANUARY 4, 1989
Helfer Sale Starts At 11:00 A.M.

38 Head Herd Dispersal From Thurmont, MD. Cows In All Stages Of Lactation And Will Improve With Better Care. 10 Cows Fresh Nov. & Dec. 7 More Due Jan. & Feb. All Cows Sired By AI Bulls And Bred To AI. Up To Date Breeding Information Will Be Furnished Sale Day. Consigned By Randy Ruby.

70 Head Open Heifers From New York State. 4 Month To Breeding Age. These Heifers All Dehorned, Are A Bit Thin, From Eastern AI Breeding.

Also Selling
* 1 load fresh and springer cows consigned by Norman and David Kolb.
* 1 load fresh and springer cows consigned by Merle Brenneman.
* 1 load fresh and springer cows consigned by Marvin Eshleman.
* 1 load fresh and springer cows consigned by Raymond Smucker.
* 1 load fresh cows consigned by Dale Hostetter.
* 1 load fresh cows consigned by Alfred Albright.

PLUS MANY MORE CONSIGNMENTS

For More Information Contact:
Abe Diffenbach 225L 717-354-4341-Barn
Norman Kolb 717-397-5538

NEW HOLLAND SALES STABLES, INC.

Located 12 Miles East of Lancaster, just off Rt. 23, New Holland, Pa.

SPECIAL DAIRY SALE CONSIGNMENTS For WEDNESDAY, JANUARY 4th, 1989
Helfer Sale Starts At 11:00 A.M.

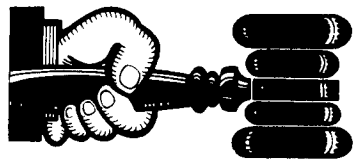
60 HEAD REGISTERED HOLSTEIN HERD DISPERSAL
* Rolling Herd Average 17,500+
* Avg. age of herd 3½ years
* Certified and accredited
* Shipping fever shots

Sires Represented- Royalty, Tony, Kirk Boy, Valiant, Pete, Glenview Jo, Tradition.

-----Selling-----
#27- Reg. Bookie 3-11 345 24,542 4.1 1002.
Due March To Geg.
#54- Reg. Tradition 3-04 354 20,066 4.0 804 3.4 Pro. Fresh.
#112- Reg. Lord 2-00 365 20,522 3.7 755.
Due Jan. To Kirk Boy.
#271- Reg. Valley Star 4-06 312 18,958 4.0 759 3.4 Pro.
Due Jan. To Liberty Bell.
#16- Reg. Valiant Gr. Dtr. Proj. 305 4.02 22,181 721.
Due July To Bell Promise.
#122- Reg. Lord 2-02 348 20,495 3.3 671 Fresh.
#125- Reg. G+82 Glenview Jo VG Mam.
2-03 296 17,156 3.6 625 Fresh.
Dam 366 27,548 3.5 976.
2nd Dam Over 200,000.
#35- Reg. 2 Yr. Pete Fresh 27 Days 67 Lbs.
#676- Reg. 2 Yr. Valiant Fresh 41 Days- 62 Lbs.
Reg. 2 Yr. Royalty Due Now To Hi-De-Ho
Marshfield Tony.
Dam G+84 Conductor 341 28,632 3.5 990 Inc.
One Breeding Age Son Of Oscar.
Dam By Wayne Springs Apollo Over 25,000- 900.

Henry Kettering, Pedigrees
Catalogues At Ringside
Consigned By Leon Kline

For More Information Contact:
Abe Diffenbach 225L 717-354-4341-Barn
Norman Kolb 717-397-5538



AUCTIONEER'S DIRECTORY

Kreider & Kline Auctioneers

COMPLETE PROFESSIONAL AUCTION SERVICE
REAL ESTATE — FARMS & RESIDENTIAL
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AUCTIONEER REALTOR
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717 569 8701

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AUCTIONEER
717 786 3394

ROY E. GOOD, JR.
RD 1 BOX 151 A
DENVER PA 17517
215-445 4309

Auctioneer:
Steve
Steve Jr. **Petersheim:**

Petersheim Auctioneers

COMPLETE AUCTION SERVICE

Antiques
Household Goods
Farm Equipment
Real Estate

Take Note - Our New Phone Number
215-593-2828

250-350 HEAD SPECIAL HORSE SALE WORK HORSES DRIVING HORSES MULES

FRIDAY, JANUARY 6, 1989

AT NEW HOLLAND SALES STABLES, INC.
12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.

Tack 9:00 AM. Sale 10:00 AM.

* 1 Pair Sorrel Mare Mules Consigned By Albert Heidy. Close Match & Well Broke, 6 Yrs. Old, Standing 16½ Hands Tall.
* 2 Loads Work Horses and Mules consigned by Ward Wright.
* 1 Load Work and Driving Horses consigned by Bub Leonard.
* 1 Load Work Horses consigned by Billy Meadows.
* 1 Load Work Horses and Mules consigned by Norman Kolb.
* 1 Load Work Horses consigned by Steimer Bros.
* 1 Load Driving Horses consigned by Clayton Waterbury.
* 1 Load Driving Horses consigned by Jonas Beiler.
* 1 Load Driving Horses consigned by Reuben G. Stoltzfus.
* 1 Load Driving Horses consigned by Elam B. Stoltzfus.

Plus many more consignments by sale time.

For more information contact:
Abe Diffenbach, Mgr. 717-354-4341
Norman Kolb 717-397-5538

NEXT HORSE SALE JANUARY 20, 10:00 A.M.

MELVIN KOLB, INC.

is having a

SPECIAL COW SALE

to start off the new year!

THURSDAY, JANUARY 5TH, 1989

TIME: 11:00 A.M.

LOCATON: West of Lancaster on Dairy Road. Take Route 283 West to 741 West and go left at exit. Turn right at Flory Mill, go under railroad overpass and right on Dairy Rd. Barn is within sight of 283 West.

200 QUALITY HOLSTEINS 200

50 Fresh Grade Cows from New England States.
36 Fresh Grade Cows from New York State.
25 Grade Cows picked from 1 herd in Maine.
25 Big Fancy Fresh First Calf Heifers.
75 Head of Purebred Cows and Heifers.
Many of these cows milking up to and over 100 lbs. per day.

NEW YEAR'S RESOLUTION!

Attend Mel Kolb's Sales every month of 1989 for CHOICE HOLSTEINS!

SPECIAL MENTION

4 Service Age Bulls:

- A GLENAFTON ENHANCER Son, Dam VG 88 pts. 27,280m 3.7 1010f. Gr. Dam 25,160m 4.7 1195f 5 Generations all VG.
- A MELL-EST VALIANT IROSE MELVIN Son, Dam VG-88 29,160m 3.8 1100f. next dam EX-94 365d 41,952m 4.6 1936f. Lifetime 2813d 197,661m 4.4 8730f.
- A BELL SON, Dam 88 pt. VALIANT 23,870m 4.1 972f next dam EX 90 pt. APACHE 23,240m 4.2 968f.
- A STRICKLER MGM GAMBER ET Son, Dam VG-87 pt. VALIANT 34,170m 4.6 1568f, next dam EX 33,050m 3.9 1299f.
- A Fancy RED & WHITE CITATION R MAPLE Dtr. due Sale time to BROOKS-TWAIN STRATOS RED ET.
- A nice VG 87 pt. JEWELMAKER Dtr. 4.1 tester.
- A GP GRAND FORTUNE Dtr. 17,842m 4.2 741f. Dam VG-86 21,014m 4.4 929f.
- A 3 yr. LEPRECHAUN Dtr. 2 yrs. 16,210m 562f, Dam MILKMASTER dtr. 21,100 631f.
- A MONARCH Dtr., Dam 20,710m 672f.
- A VG 86 pt. HANOVER-HILL TRIPLE THREAT-RED Dtr. 14,840m 4.2 631f, Dam VG 86 pt. 20,590m 3.7 762f, next dam EX 93 pt. 19,670m 4.0 782f.
- A 3 yr. ROMANDALE REGAL-RED ET Dtr. 4.3 tester, Dam GP 16,240m 3.8 614f.
- A VG 87 pt. BOOTMAKER Dtr. 298d 18,390m 4.3 798f.

Many more good ones not in this ad. Will be cataloged for Sale.

FARMERS: Start the new year out right. If you need good cows or heifers, attend this Sale and see quality plus quantity! Several heifer calves from these good cows will also be sold.

FREE TRANSPORTATION FOR LANCASTER CO. AMISH
Please Call: 717-569-6800 or 717-569-2106 by 5:00 P.M. Wednesday, January 4, 1988.

PA FARM - 2220 Dairy Rd., Lancaster, PA

FREE LUNCH FOR ALL DAIRY FARMERS

Sale Managers:	**Dennis & Mel Kolb**
Auctioneer:	**Robert C. Mullendore**
Pedigrees:	**Henry Kettering**

Purina ®
Milking Completes.
Complete Confidence.

Purina Complete Feeds... Designed To Meet Your Needs

1 Maxi Tech Complete
Highest energy Purina milking ration means highest milk production potential.

2 Test Cow
High energy milking ration formulated to meet high producing cows' requirements.

3 Milk Special
Intermediate energy level providing both performance and lower feed costs.

4 Pipeline Special
Lower energy product designed for complete & balanced nutrition. Lower out-of-pocket costs.

Purina milking complete feeds allows the dairy producer to select the product that best suits his herd. Purina completes also offer other product options:

FORM - Pelleted, course & meal

BUFFER OPTION - Correct type & amounts of butterfat enhancers

FF OPTION - "Fermentable Fiber" to help assure fiber requirements are met helping milk fat test.

WHOLE COTTONSEED - Available in Test Cow and Milk Special Feeds

"S" OPTION - Floating Fiber Option Using Higher Fiber Ingredients Without Sacrificing Energy; Reduces Cost

All Purina Milking Completes Are Backed By The Purina Guarantee And Research Proven. Ask Your Local Purina Farm Consultant Which Purina Complete Fits Your Herd Best!

See Your Purina Dealer Today!

WARRIOR'S MARK FEED CENTER
P.O. Box #130
Warriors Mark, PA 16877
814/632-5490

FARMER'S UNION CO-OP
30 East Walters Avenue
Greencastle, PA 17225
717/597-3191

WEST WILLOW FARMERS' ASSOC.
R.D. #1
West Willow, PA 17583
717/464-3386

K & K FEED, INC.
R.D. #4 - 23 N. Park Street
Richland, PA 17087
717/866-2324

H.R. WENTZEL SONS., INC.
Box 6 Bloomfield Ave.
Newport, PA 17074
717/789-3306

BERRYMAN'S MILL, INC.
Box #181, Rte. 75
Port Royal, PA 17082
717/527-2274

THE OXFORD GRAIN & HAY CO.
1212 Railroad Ave.
Oxford, PA 19363
215/932-8521

ALBRIGHT'S MILL
P.O. Box #195
Kempton, PA 19529
215/756-6022

HESS MILLS
Paradise, PA 17562
717/442-4183
717/768-3301

Unionville, PA 19375
215/347-2377

ANTHONY'S FEED MILL
P.O. Box 212
Strausstown, PA 19559
215/488-6211

AG CENTER, INC.
517 St. Mary's St.
Lewisburg, PA 17837
717/524-7810

UMBERGER'S MILL
R.D. #4 - Box #545
Lebanon, PA 17042
717/867-5161

GLENVILLE FARM CENTER
Glenville, PA 17329
717/235-1290

TRI-COUNTY AG CENTER, INC.
P.O. Box 316
McVeytown, PA 17051
717/899-6772

DETRICH ELEVATOR, INC.
5458 Cedar St.
Williamson, PA 17270
717/369-3724

WILLIAM GOWER & SON
Rt 1, Box 50
Williamsport, MD 21795
301/582-2818

CHECK-R-BOARD
239 W. Main St.
Knoxville, PA 16928
814/326-4178

HIGH BROTHERS
441 Centerville Road
Gordonville, PA 17529
717/354-0301

M.G. HENNINGER & SON, INC.
Berrysburg, PA 17005
717/362-3333

WOODSTOWN ICE & COAL CO., INC.
50 East Grant Street
Woodstown, NJ 08098
609/769-0069

OLEY VALLEY FEED
RD2 - Box 271A
Oley, PA
215/987-3568

SPENCER'S MILLING SERVICE
306 S. Rodney St.
Clayton, DE 19938
302/653-8011

NISSLEY FEED CENTER
Mill Rd., Box 377
Morgantown, PA 19543
215/286-9029

PURINA MILLS, INC.

Feeds designed with you in mind.

* Trade Mark - Ralston Purina Co.

JOHANNING'S
Family Store

2460 New Holland Pike, Lancaster, PA 17601
¼ Mile West of Meadowbrook Farmers Market, Rt. 23, Leola
(717) 656-3700 or (717) 291-4420
Hours-Mon.-Thurs. 8 AM-8 PM; Fri. 8 AM-9 PM; Sat. 8 AM-5 PM
We Ship UPS

If an advertised item is not available for purchase due to any unforseen reason, Johanning's will issue a rain check for the merchandise to be purchased at the sale price whenever available. We reserve the right to correct printing errors and to limit quantities.

VISA

PA. FARM SHOW SPECIAL SALE

We Ship UPS

Now Thru January 14, 1989

SPRAYERS

	Mfg's List	SALE
• 75386 200 Gal. Trailer*	$1729	**$1049**
• 73500 300 Gal. Trailer*	$1823	**$1199**
• 73520 500 Gal. Trailer*	$2298	**$1499**

* Less Pump & Tires

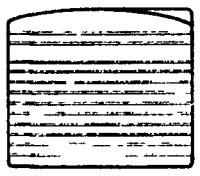
Assembled - Add $50

SPRAYERS

	Mfg's List	SALE
• 200 Gal. Skid Mount w/Pump	$1369	**$949**
• 150 Gal. Skid Mount w/Pump	$1324	**$919**
• 55 Gal. 3 Pt., Less Pump	$526	**$399**
• 110 Gal. 3 Pt., Less Pump	$1128	**$749**

NORWESCO STORAGE TANKS

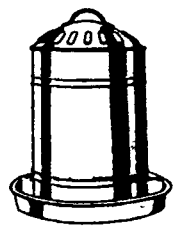
• 1,550 Gal. Storage Tank, 79200
$449



SPRAYER TANKS

- 500 Gal., 73545 ..... **$299**
- 300 Gal., 72903 ..... **$219**
- 200 Gal., 72909 ..... **$169**
- 110 Gal., 72907 ..... **$99.50**
- 425 Gal. PICKUP TANK, 72902 ..... **$235**

Brower CHICK WATERERS

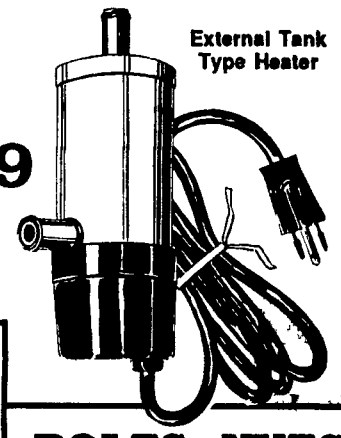


SALE

- 5 Gal., SKU 70192 ..... **$17.50**
- 70189, 3 Gal. Fount **$14.50**
- 70191, 8 Gal. Fount **$21.50**

1500 WATT ENGINE HEATER

SKU 17502
Reg. $23.99
$18.99

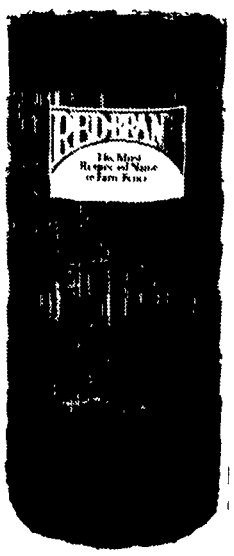


External Tank Type Heater

STARTING FLUID

Reg. $1.39
FARM SHOW SPECIAL
SKU 15585
99¢

KEYSTONE FENCE



- 832 6-14½ 75363
Reg. $50.59
SALE $47.39

RED BRAND STUDDED STEEL POST

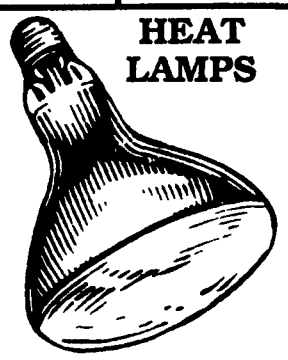
The most respected name in farm fence®

PRE-SEASON SALE

Order Now, Pay 20% Down
Pick-Up After March 1, 1989

- 1047 6-11, 70676
Reg. $127.59
SALE $122.69
- 1047 6-9, 75301
Reg. $166.79
SALE $149.85
- 1047 12-11, 70677
Reg. $97.69
SALE $93.29
- 1047 12-9, 70678
Reg. $140.79
SALE $134.89
- 832 6-11, 75362
Reg. $91.39
SALE $86.09
- 5 Ft., 75373
Reg. $2.29
SALE $1.89
- 6 Ft. 70679
Reg. $2.69
SALE $1.99
- 6½ Ft.
Reg. $2.89
SALE $2.19
- 7 Ft. 70681
Reg. $3.09
SALE $2.39

HEAT LAMPS

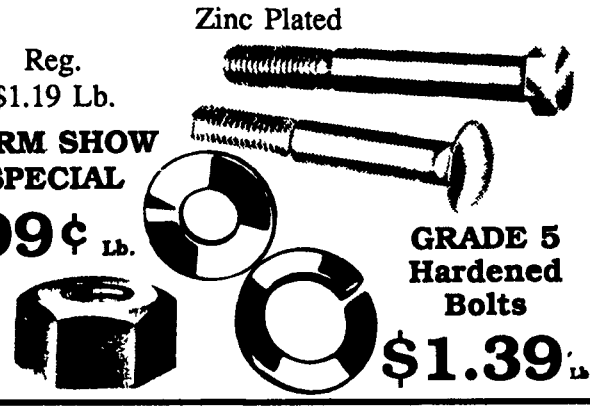


- 250 Watt Clear
SKU 71890
Reg...$1.49
SALE..... $1.39
- 240 Watt Red
SKU 71895
Reg...$3.79
SALE..... $3.49
- 125 Watt Clear
SKU 71891
Reg...$1.49
SALE..... $1.39

BOLTS, NUTS & WASHERS

Zinc Plated

Reg. $1.19 Lb.
FARM SHOW SPECIAL
99¢ Lb.



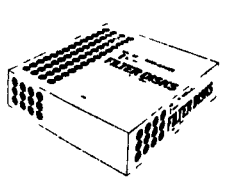
GRADE 5 Hardened Bolts
$1.39 Lb.

NON-GAUZE
FILTER DISKS FOR MILK TRANSFER SYSTEMS

KENDALL

KENDALL MILK FILTERS

73854 2 3/16x6½
Tubes In Line

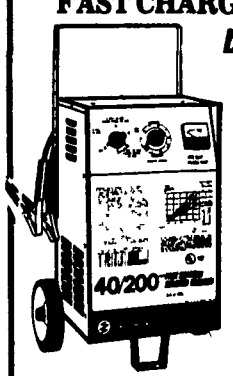


Reg. $4.49 SALE $3.99

70456	6½"	Discs	$2.99	**$2.49**
70457	6½"	Squares	$3.69	**$3.39**
70458	15"	Discs	$10.19	**$9.41**

10/40/200 AMP CHARGER
FAST CHARGE-STARTER CHARGER

by Schumacher



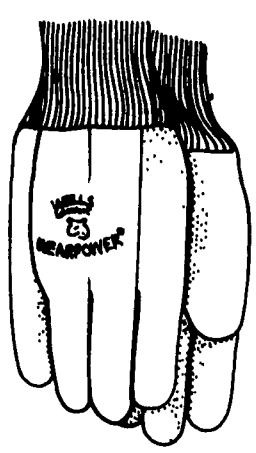
SKU #16635

MODEL SE-4020

- 10 Amp & 40 Amp Charge Rates
- 200 Amp Booster Charger
- Automatic Timer
- Two Yr. Limited Warranty

Reg. $129.99
SALE $119.99

FREE
With Coupon



One Pair Of Cotton
WORK GLOVES

Good Thru Jan. 14, 1989
One Coupon Per Customer

KENDALL SOCKS

			Reg.	SALE
70463	2¼ "x12"	D-579	$ 5.49	$ 4.89
70462	2¼ "x24"	D-577	$11.69	$ 9.99
73853	2½ "x24"	D-590	$12.19	$11.29
70459	4 7/8"x17"	D-547	$ 7.99	$ 7.39

JOHANNING'S Family Store

"Take Quality Home"

Farm Show Savings

Order Today - Ship UPS Tomorrow

Farm Supplies

Carhartt

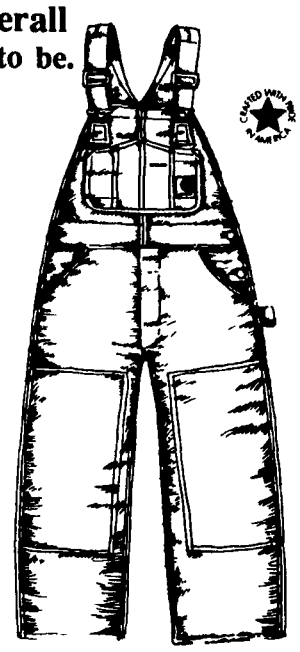
Brown Duck Bib Overall
Built better than it has to be.

- Heavy duty 100% cotton Brown Duck
- Wind resistant and snag proof
- Extra strong, triple-stitched main seams
- Brass-plated rivets at stress points
- Double knees
- Elastic in the suspenders
- Exclusive Carhartt hardware
- Hammer loops and leg tool pockets
- Reinforced back pockets
- Also great for hunters and other rugged outdoorsmen

Matching jacket, coat and hood available.

Sizes 34 to 50
Inseam 38-34

Size 52
Inseam 30-32

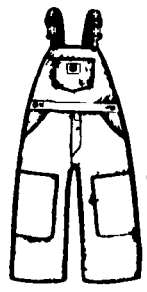


Brown Duck Bibs for Children
Just Like Dads

Size 2T to 4T

Size 4
Reg. to 6X/7 Reg.

Size 10/12
to 14/16



Brown Duck Overalls
Lot Nos. BU306, BU406, BU506

■ 100% cotton 10-ounce Brown Duck ■ Infant overall has snap inseam ■ Toddler and Youth overall have double knees, button fly ■ Two front swing pockets ■ Two rear pockets ■ Bartacked at stress points ■ Adjustable shoulder straps ■ Triple-stitched main seams

Rugged as the men who wear them.®

Carhartt

We Carry A Full Line Of Carhartt

- Brown Duck Artic Coats
- Insulated Coveralls
- Matching Hoods
- Blue & Brown Duck Thermal-Lined Active Jackets
- Brown Duck Carpenter Bibs
- Brown Duck Quilt-Lined Bibs

Large Selection of Sizes — We Will Special Order

BERCO

BROWN DUCK COVERALL
Sizes S-XL. Larger Sizes Slightly Higher.
No. 1411BD. (Hood Not Included)
$39.88

BROWN DUCK BIB
Men's Sizes
No. B1411BD
$31.88
No Rain Checks

BROWN DUCK CHORE COAT
Sizes S-XL. Larger Sizes Slightly Higher.
No. CH1411BD
$24.88

key QUALITY

BIB OVERALLS are tougher than your work

- Tough 12 oz. cotton blue denim
- 100% Sanforized
- "No-bind" fit
- Double bottom pockets
- Rust proof hardware
- Triple stitching

Made in U.S.A.

SIZES 28-46
Reg. $24.19
SALE $19.19

SIZES 48-50
Reg. $26.59
SALE $21.59

Brown Duck Blanket Lined Coat
Built better than it has to be.

- Heavy duty 100% cotton Brown Duck
- 4 patch pockets, 1 with button flap
- Inside safety pocket
- Extra strong, triple- stitched main seams
- Brass-plated rivets at stress points
- Bi-swing action back
- Wind resistant and snag proof
- Warm blanket lining of acrylic and polyester
- Corduroy collar
- Optional: matching lined snap-on hood

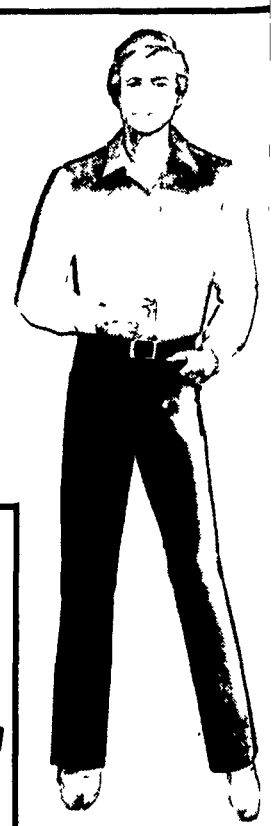
Matching pant and bib overall available.

Size 44 to 48
Reg. $41.69
Sale $32.69

key QUALITY

WESTERN BOOT JEAN

- 14 Oz. 100% Cotton Denim
- Key-Set, Washes Wrinkle-Free
- Distinctive Stitching
- Scoop Front Pockets
- Rear Patch Pockets



$10.99
Thru
42" Waist

$11.99
Sizes
44" + Waist

GENFOOT
LEATHER/RUBBER 1ST QUALITY MEN'S PAC BOOT

Ideal For Sport Or Work.
Men's Sizes 9-12
No. AL0303.

Sale $21.88

While Quantities Last!

MEN'S FLANNEL SHIRTS
Quilted And Unquilted

25% OFF
Our Already Low Everyday Price

Sizes: S-M-L-XL
2X - 3X - 4X

Regulars and Talls

JOHANNING'S Family Store
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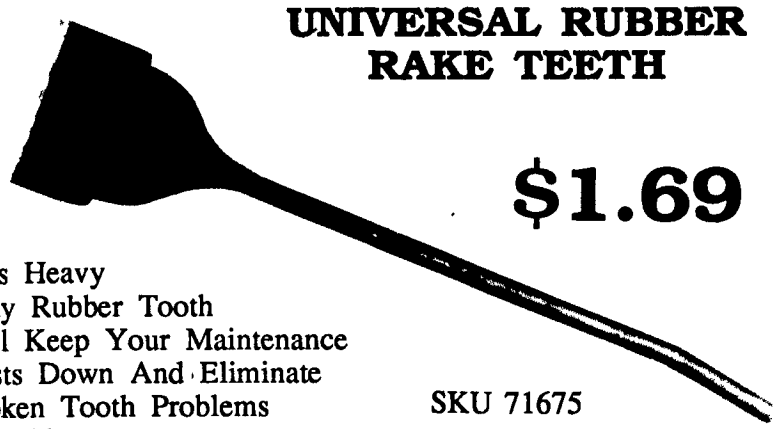
Farm Show Savings

Order Today - Ship UPS Tomorrow

Farm Supplies

UNIVERSAL RUBBER RAKE TEETH

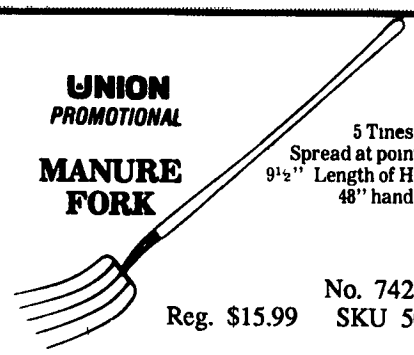


$1.69

This Heavy Duty Rubber Tooth Will Keep Your Maintenance Costs Down And Eliminate Broken Tooth Problems In Raking

SKU 71675

UNION PROMOTIONAL MANURE FORK



5 Tines. Spread at points, 9¼"-9½" Length of Head, 12½" 48" handle.

No. 742 236
Reg. $15.99 SKU 50330

UNION STANDARD DH ALUMINUM SCOOP SHOVEL SKU 50160

#14 size. 15¼"x19¾" blade. Etched finish. .27" "D" handle. SKU 50160

Reg. $22.99

FARM SHOW SPECIAL $12.99

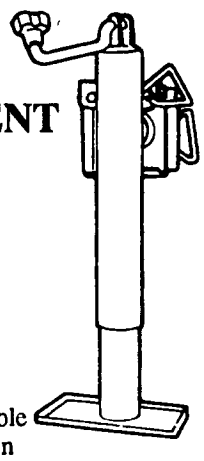
FARM SHOW SPECIAL $16.99

Heavy Duty ALUMINUM SCOOP SHOVEL

w/40" Handle Reg...$28.99
SKU 50155

SALE $22.99

IMPLEMENT JACKS



Model #10T
SKU 72002

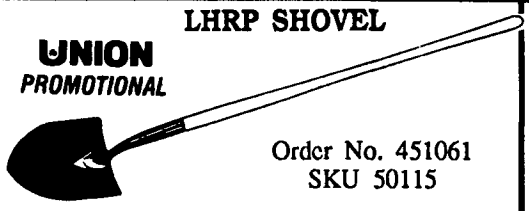
Reg. $23.49

$18.99

Sorry, Not Available Will Honor Rain Checks

LHRP SHOVEL

UNION PROMOTIONAL



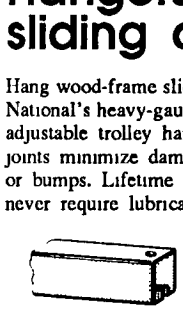
Order No. 451061
SKU 50115

Reg. $8.99 **$5.99**

- #2 Size
- 8½ "x12 Blade
- 9" Socket
- Rolled Step
- 47" Handle

Hangers protect sliding doors

Hang wood-frame sliding doors with National's heavy-gauge, flexible and adjustable trolley hangers. Hinged joints minimize damage from wind or bumps. Lifetime wheel bearings never require lubrication.



No. 5005

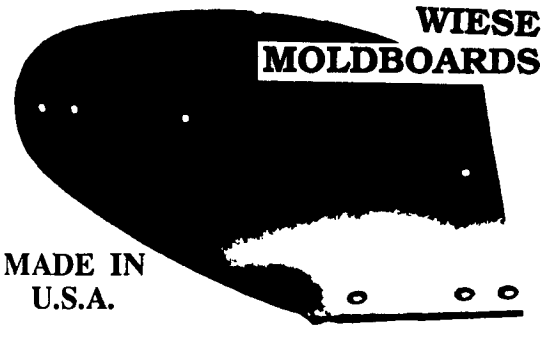
No. 51 Trolley Rail of heavy steel provides a perfect, even tread for hanger wheels.

NATIONAL

- SKU 22191 HANGER Reg. $22.39 NOW..... **$17.99**
- SKU 24715, 8' Rail Reg. $20.39 NOW..... **$15.99**
- SKU 22185, 10' Rail Reg. $25.49 NOW..... **$19.99**
- SKU 22190, 12' Rail Reg. $30.59 NOW..... **$23.99**

We Have Everything In Stock Needed To Make Complete Track

WIESE MOLDBOARDS



MADE IN U.S.A.

Description	SALE
70901 JD 1048NU	$53.99
70902 OL 619-16	$43.99
70903 OL 619-14	$41.99
70904 CA EX16	$43.99
71182 CA EX14	$44.99
71222 FD 104409	$39.99
70984 IH 462314	$43.99
70986 JD HS316	$43.99
70987 JD HS314	$35.99
70988 CA 345966	$47.99

ROCK SHARES (RS) SERIES STAR Manufacturing

Made of High Carbon Steel, ½" Thick At Center Heavier Than Most OEM Shares

To Fit Most Plows:
• Oliver • JD • MF • IH • AC • Ford

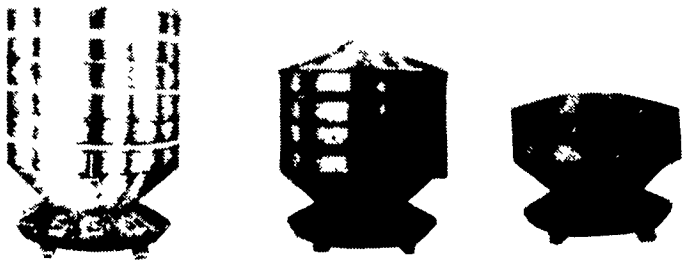
	SALE
• 14"	$6.49
• 16"	$7.29
• 18"	$7.89

WIESE DISC BLADES

Diameter	Ga.	SALE
16"	11	$6.39
18"	9	$8.99
20"	9	$11.49
20"	7	$13.99
22"	7	$16.49

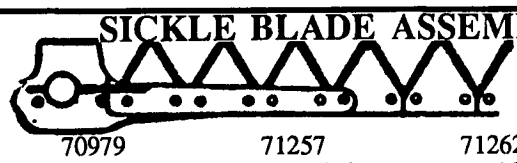
BROWER HOG FEEDERS

15 Year Guarantee On Brower Hog Feeders



- 80 Bushel Feeder 70163 **$349.95** Reg. $370.18
- 60 Bushel Feeder 70164 **$329.95** Reg. $348.89
- 40 Bushel Feeder 75554 **$309.09** Reg. $332.89

SICKLE BLADE ASSEMBLIES



70979 NH 451-456, 9 Ft. **$42.99** Reg. $46.69	71257 NH 479-488, 9 Ft. **$61.99** Reg. $68.50	71262 NH 469, 9 Ft. **$72.99** Reg. $79.95
71258 NH 489, 9 Ft. **$69.99** Reg. $77.95	75203 NH 455-450, 7 Ft. **$44.99** Reg. $49.95	71273 JD 47-50-250-350, 7 Ft. **$51.99** Reg. $57.50
71268 Hesston 1090, 9 Ft. **$51.99** Reg. $56.95	71312 IH 1190, 9 Ft. **$64.99** Reg. $71.95	71253 NH 495-1495, 12 Ft. **$71.99** Reg. $77.95

Ready To Use

WINDSHIELD WASHER SOLVENT ANTIFREEZE AND CLEANER

Pre-Mixed For Winter & Summer Use

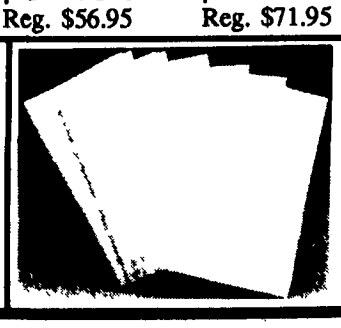
Reg. $1.19 Gal.

89¢ 17635 Gal.

BOUNTY PAPER TOWELS

BOUNTY absorbs moisture, absorbs punishment and absorbs big spills fast. For jobs where you need a Quick Picker-Upper! In decorator colors.

79¢



EXCELLO FLOUR SACK TOWELS

Sixe 38"x22". 100% cotton. All white. Preshrunk. Hemmed and bleached.

SKU 42710 **65¢**

WD 40
Spray Lubricant

- Stops Squeaks
- Protects Metals
- Loosens Rusted Parts
- Frees Sticky Mechanisms

- 9 oz. 16560

FARM SHOW SPECIAL $1.49

- 12 oz. 16565

FARM SHOW SPECIAL $1.89

- Gallon 16570

FARM SHOW SPECIAL $8.99

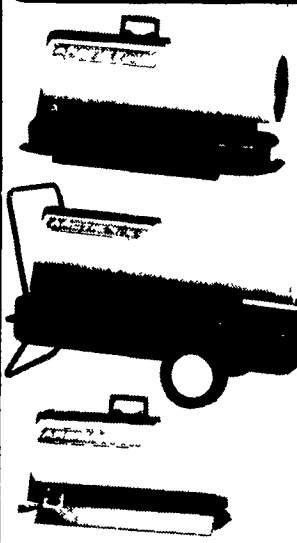
JOHANNING'S Family Store
"Take Quality Home"

Farm Show Savings

Order Today - Ship UPS Tomorrow

Farm Supplies

ARCTIC FLAME™ HEATERS



40,000 & 50,000 BTU's - Lighweight Compact hand-portable forced air heater. Perfect for garages and workshops. Uses inexpensive kerosene.

100,000 & 150,000 BTU's - Instant, easily portable forced air heat. Comfort at your fingertips. Simply fill tank with kerosene or #1 fuel oil and plug into any 115V grounded outlet where adequate ventilation is available. Runs 15 hours on one filling. Automatic shut-off control standard. ARL Listed. Optional UL Listed thermostat available.

150,000 BTU LP Heater - This liquid propane fueled heater is ruggedly built for larger spaces such as warehouses, barns, factories and construction sites. Comes complete with built-in thermostat and fuel hose, with inline regulator. A.G.A. Certified.

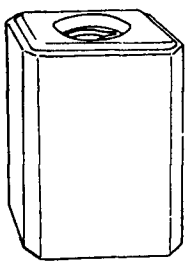
		Reg.	SALE
40,000 BTU	SKU 29108	$159.95	**$144.95**
50,000 BTU	SKU 29109	$189.95	**$169.95**
100,000 BTU	SKU 29123	$289.95	**$259.95**
150,000 BTU	SKU 29124	$359.95	**$329.95**
150,000 BTU LP Gas	SKU 29102	$289.00	**$269.00**

SKU #29108

SAVE ON New Improved Quaker State® with QSX

10W30
10W40
HD30
SKU 16650
SKU 16640
SKU 16670

SALE ..... $11.88 Case
MFG. REBATE - 3.60
NET COST **$8.28** Case
or **69¢** Quart
Rebate Limit 24 Quarts



50 LB. WHITE SALT BLOCK

Reg. $4.25

FARM SHOW SPECIAL **$3.79**

CARGILL SOLAR SALT

SKU 71530

80 Lb. Bag **$3.99**

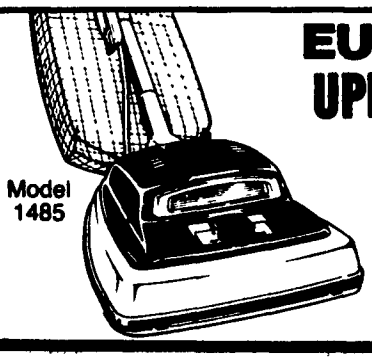
PACER

PACER TRANSFER PUMPS

1½" and 2" Sizes w/3 H.P. B&S Engines
Pump Capacities Of 150 And 170 Gallons/Minute
SKU 73413 & 73417

Reg. $189.99

$159.95

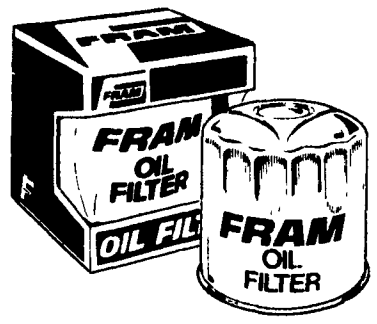


EUREKA UPRIGHT

Model 1485

- 4.0 Amp Motor
- 4 Position Dial-A-Nap®
- Dual Edge Kleener®

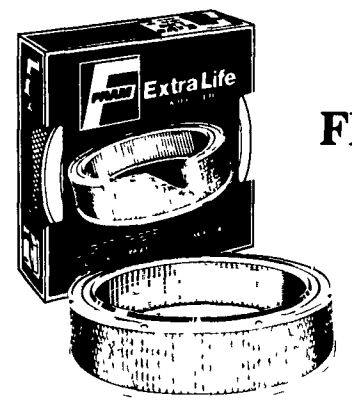
$79.95



Fram OIL FILTERS

Reg. $3.99 to $4.39
YOUR CHOICE AS LISTED **$2.99**

PH8A	PH2850	
PH13	PH2856	
PH16	PH2865A	
PH25	PH2870A	
PH30	PH3387A	
PH43	PH3429	



Fram AIR FILTERS

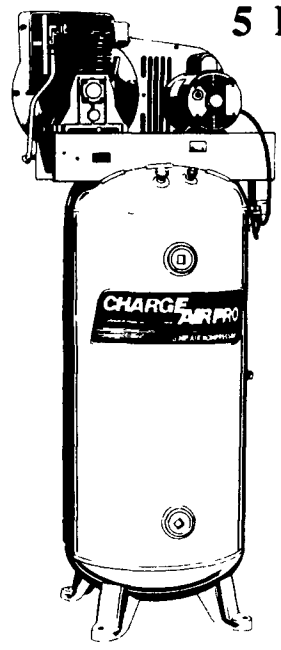
Reg. $4.29 to $5.99

YOUR CHOICE AS LISTED **$3.99**

CA146PL	CA324A	CA352
CA160PL	CA325	CA 353
CA184PL	CA326	CA3300
CA192	CA327	CA3424
CA303	CA340A	CA3523
CA305	CA351	

INGERSOLL-RAND®

AIR COMPRESSORS



5 H.P., 60 GAL. TANK

- 125 Lb. Max. Pressure
- 230 Volts/20 Amps
- 12.5 CFM (11.0 @ 90 P.S.I.)

SKU 45104

Reg. $559.95

SALE PRICE..... **$519.95**

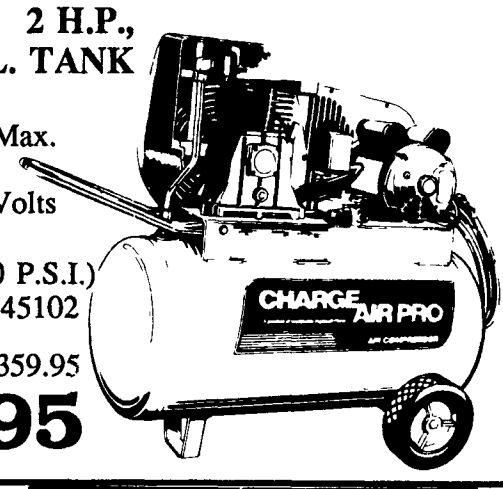
2 H.P., 20 GAL. TANK

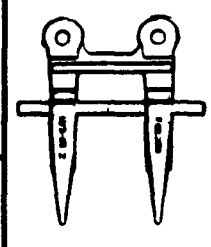
- 125 Lb. Max. Pressure
- 115/230 Volts
- 7.0 CFM (6.2 @ 90 P.S.I.)

SKU 45102

Reg. $359.95

SALE PRICE..... **$319.95**

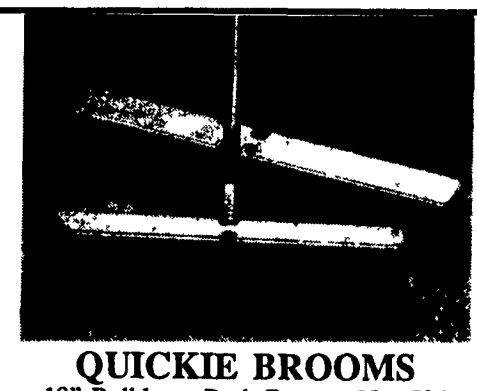




DM700

SICKLE GUARDS

71288	71309
SALE	SALE
$4.99	**$2.69**
Reg. 5.99	Reg. 3.19



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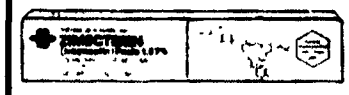

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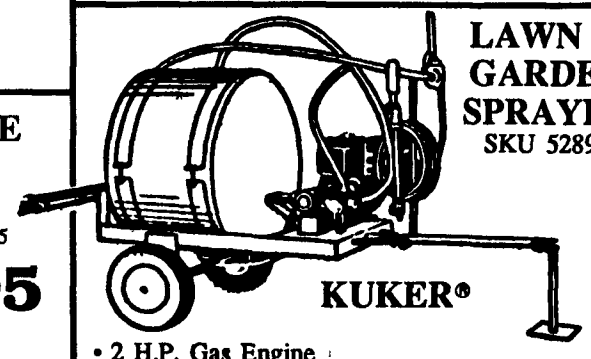

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dhia Pennsylvania Dairy Herd Improvement Association

Monthly Report

October, 1988
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Mike Buckwalter	3	52.9	84.5	21,613	773
L&J Holsteins	3	39.3	85.5	19,657	759
Charles & Doris Porter	3	49.5	90.0	21,854	753
Leemon E Gaugler	3	40.1	89.1	19,404	751
Dennis & Craig Owlett	B3	122.0	86.1	20,819	745
Double B Highlight	B3	50.8	84.3	20,153	735
Dave+Donna Cleveland	B3	44.3	83.6	21,443	729
Doug+Jenny Lawton	3	62.3	89.3	19,629	723
Terry & Linda Long	B3	36.9	87.2	19,716	712
Charles D Groover	3	16.5	87.0	18,404	703
Allan J Lilley	B3	40.5	87.3	19,546	696
Schmelway Farms	3	53.1	87.1	19,110	696
Emery-Rick Davis	B3	55.6	87.0	19,650	696
Gor-Wood-D	3	144.6	84.8	20,385	694
CD Lichty+Son Dave	B3	68.4	91.8	18,280	694
Middle Ridge Farm	B3	106.7	88.8	16,371	689
William Chamberlain	3	45.8	88.2	19,357	688
Bill Lichty	B3	51.7	86.9	17,819	686
War-Bern Farm	3	111.2	83.5	18,402	676
Chris Gaugler	3	43.3	89.1	16,606	669
Simalot Holsteins	3	49.6	86.2	17,786	666
Galen & Dale Jackson	3	37.3	83.2	17,831	662
Robert L Miller	B3	77.0	85.0	19,179	660
Wood Farms	B3	66.8	84.6	18,388	660
Richard Groover	3	37.8	82.1	17,833	659
Glenn Bowen	3	38.1	85.9	18,189	659
Glen S Layser	B3	52.0	84.0	19,015	659
Tom Gruver	B3	34.9	88.9	19,393	657
B+B Dairies	B3	105.8	83.2	18,229	655
Boroline Farm	B3	84.5	90.4	16,758	655
Harold Robson Jr	3	55.3	88.1	18,712	655
Thomas Groover	3	24.6	86.3	17,527	653
Bruce T Metzger	G3	26.2	85.3	18,760	652
Robert+Janice Landis	B3	37.3	88.2	17,398	651
Larry & Mary Herman	3	53.8	87.2	18,008	650

Lactations

Dennis & Craig Owlett					
317	5-9	305	30,928	3.4	1062
303	6-4	305	29,216	3.5	1032
17	7-11	305	26,415	3.9	1030
197	0-3	305	24,642	3.7	926
106	3-3	261	26,280	3.3	876
L & J Holsteins					
Mina	5-1	305	24,967	4.1	1033
Sis	7-4	305	25,121	3.7	949
Dave & Donna Cleveland					
Lisa	7-11	305	30,599	3.3	1028
Gor-Wood-D					
Naomi	6-3	305	32,127	3.1	999
Raquel	8-8	305	28,584	3.2	917
Prdonna	6-3	305	26,316	3.3	892
Terry & Linda Long					
Bubbles	4-4	305	27,982	3.4	972
Emery-Rick Davis					
Nancy	5-0	305	25,569	3.6	942
Ken & Ruth Powlison					
Bess	4-9	305	25,602	3.6	940
Jack E Randall					
Patty	4-1	305	22,380	4.2	939
B & B Dairies					
Cobina	5-8	305	25,445	3.6	928
Wendy	4-10	305	24,010	3.5	859
War-Bern Farm					
Flo	6-3	305	23,535	3.9	917
Banjo	5-5	305	23,969	3.7	909
Leemon E Gaugler					
Jessica	6-5	305	23,432	3.8	909
Bill Lichty					
Ann	7-2	305	22,868	3.9	902
Robert L Miller					
28	5-5	305	23,490	3.8	899
Charles & Doris Porter					
Girlie	5-1	305	22,601	3.9	890
Topaz	5-2	305	29,738	2.9	876
Lawrence Egleston					
115	6-4	305	27,181	3.2	878
Richard Groover					
Dixie	3-2	305	21,761	4.0	876
Harold Robson Jr					
Fay	6-8	305	26,235	3.3	871
Glen S Layser					
34	5-3	293	21,358	4.0	863
Larry & Mary Herman					
Snostar	6-1	305	25,075	3.4	854
Double B Highlight					
Cindy	5-5	305	23,354	3.6	854

INDIANA COUNTY DHIA
October 1988

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.
Donald I Eaton	B3	95.7	93.0	21,997	830
Milos & Sandy Sinan	B3	68.4	88.1	23,297	786
Dale & Rodney Bloom	B3	117.1	85.9	19,948	743
Jim & Bill Compton	3	51.5	86.3	18,714	722
Wallaces Farm	G3	82.5	88.7	20,123	705
Paul & Karen Sherry	B3	45.9	85.9	19,047	684
Blossom Hollow Farm	B3	36.8	86.1	20,087	682
Jerry Nesbit	B3	109.7	87.2	18,252	676
Harry C Mack	B3	30.0	87.1	18,514	666
Charles Lockhart	G3	45.1	87.0	19,046	665
Harold Marshall	3	20.8	89.1	18,395	661
Neal Dairy Farm	G3	79.7	86.8	18,249	656
The Anderson Farm	G3	27.0	87.5	17,994	650

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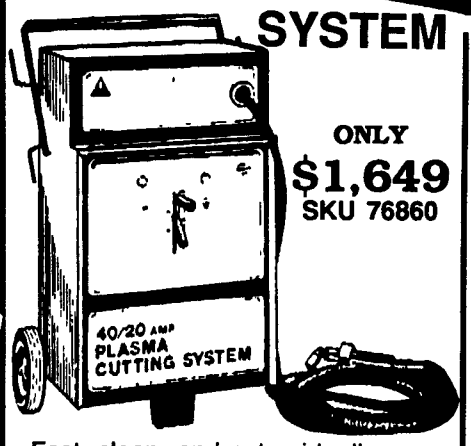

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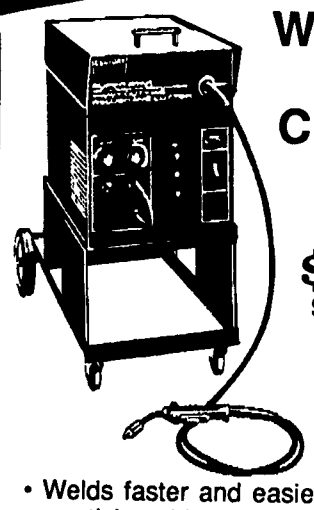

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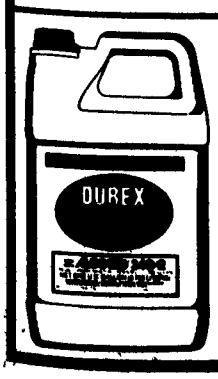

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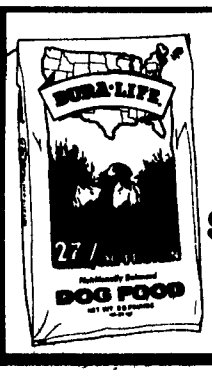

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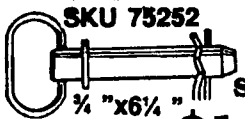

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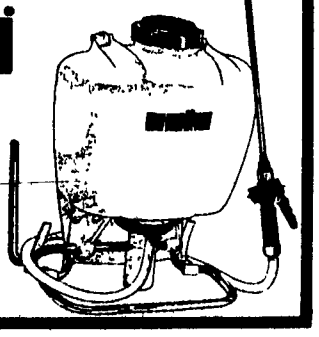
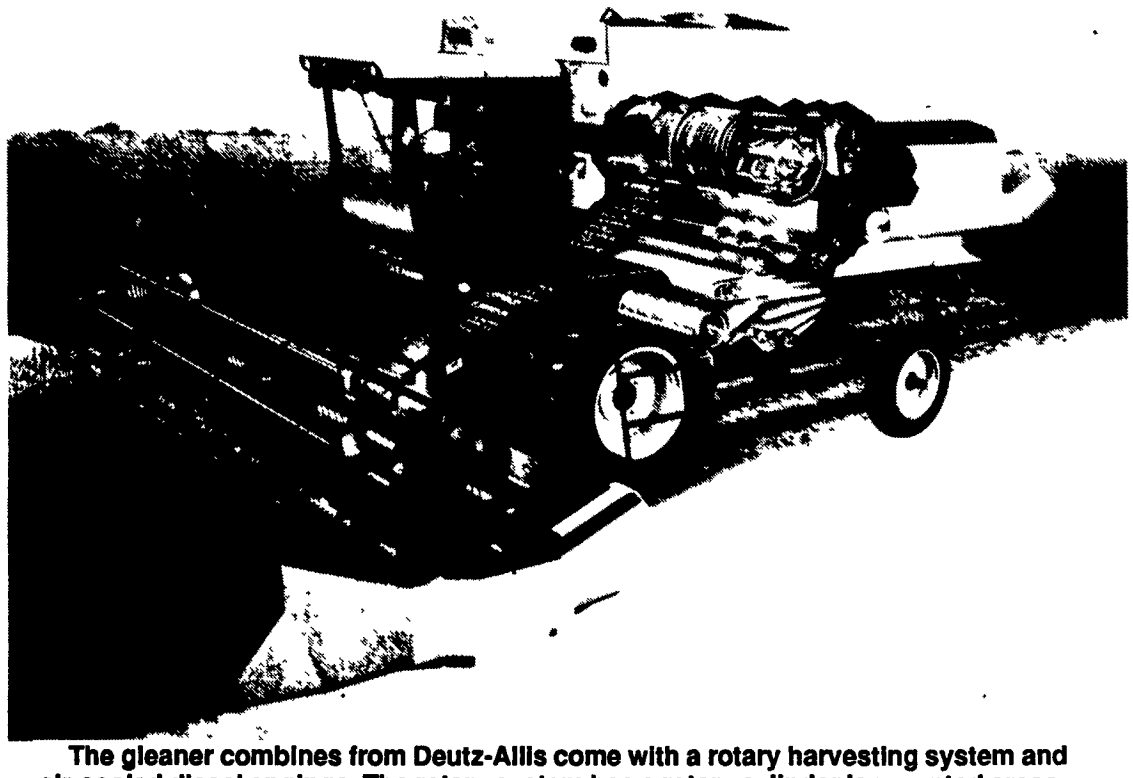




The gleaner combines from Deutz-Allis come with a rotary harvesting system and air-cooled diesel enginge. The rotary system has a rotary cylinder is mounted crosswise so that the crop flows smoothly without twisting and tangling.

Deutz-Allis Gleaner Combines Have New Rotary Harvesting System

MILWAUKEE, WI — All Gleaner combines are now equipped with the exclusive Natural Flow rotary harvesting system and Deutz air-cooled diesel engine. Available in sizes to fit all sizes of farming operations, the combine line is now backed by a new 5-year/5,000-hour extended warranty, too.

The new all-rotary Gleaner line came in response to growing demand for new crop harvesting technology, says Tom Stadtmueller, Deutz-Allis combine marketing manager.

"Farmers today have confidence in the efficiency, superior cleaning capability and higher capacity of rotary combines," Stadtmueller says.

The Natural Flow harvesting system provides improved harvesting capacity and gentle crop handling. "Unlike competitive rotary systems, the Natural Flow rotary cylinder is mounted crosswise, so the crop flows smoothly without twisting and tangling," Stadtmueller explains.

Precision-engineered Deutz engines give Gleaner combine operators the benefits of greater reliability and performance teamed with low maintenance requirements. Combines in the new Gleaner R Series include:

• The **R40,** an economical machine for the mid- to large-sized farmer with a 150-bu. grain bin and 155-hp, six-cylinder Deutz engine.

• The **R50,** slightly larger than the R40 with a 200-bu. bin and 190-hp, turbocharged, air-cooled six-cylinder engine.

• The **R60,** which offers a standard 225-bu. bin and an optional 240-bu. bin. A naturally aspirated, air-cooled V-8 engine provides 228 hp.

• The **R70's** 310-bu. grain bin gives it the greatest capacity of all combines. It's powered by a dual-turbocharged, air-cooled V-8 engine with 270 hp.

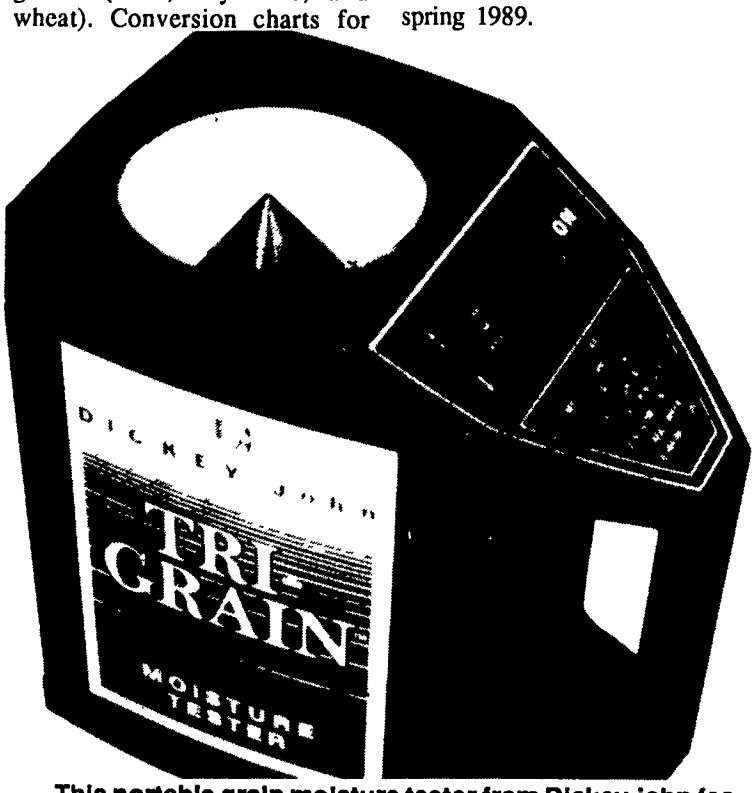
Dickey-John Introduces Portable Grain-Mioisture Tester

AUBURN, IL — Dickey-john has introduced the Tri-Grain™, an all-new battery-powered, portable grain moisture tester featuring calibrations based on those developed for elevator and commercial testers.

The Tri-Grain™'s easy-to-read liquid crystal display provides direct moisture readings for three grains (corn, soybeans, and wheat). Conversion charts for most other grains are supplied with the unit.

Housed in a rugged, molded case, the Tri-Grain™ can be adjusted to agree with local elevator's moisture readings. Automatic temperature compensation and a built-in scale ensure accurate readings.

The Dickey-john Tri-Grain™ will be available for sale in late spring 1989.



This portable grain moisture tester from Dickey-john features calibrations based on those developed for elevator and commercial testers.

BUSINESS NEWS...

With no electrical wiring necessary and easy installation, this solar-powered, automatic gate opener allows for 20 open/close cycles per day.

Automatic Gate Opener Operated With Solar Power

SAN ANTONIO, TX — The affordable APOLLO 4000 solar powered automatic gate opener offers a unique design and proven solar technology to adapt to any swing gate. With no electric wiring necessary it's ideal for farms and ranches. The 4 watt solar panel allows for 20 open/close cycles per day on a swing gate up to 1000 lbs. and 20 feet in length. The locking arm mechanism provides security and the garage door type remote opener provides convenience. The APOLLO 4000 comes complete and can be self-installed in a couple of hours.

For more information, contact Southwest Solar Control, P.O. Box 791763, San Antonio, TX 78279; 800-221-0178.

Role Of Fertilizers Is Changing

LANCASTER — Cindy Adams-Dunn, Pennsylvania coordinator for the Alliance for the Chesapeake Bay, a non-profit coalition of organizations working to link citizens and groups with the Bay effort, spoke at Hi-Score Plant Food Company, Inc.'s Fall Sales Meeting. She stated that fertilizer companies, in order to survive, cannot ignore the changing role of fertilizer. Farmers cannot plant with manure alone, so there will always be a need for some form of commercial fertilizer. But, the form of the fertilizer must change to reduce the pollution and toxicity of underground waters.

The federal government as well as all state governments are taking a closer look at the level of toxins in runoff waters and also airborne toxins. Many of the airborne toxins are from the aerial spraying of pesticides. Research in toxins is behind that of nutrients.

Why should farmers be concerned? The Susquehanna River provides half of all fresh water to the Bay. One might say, the Bay is really the lower end of the Susquehanna. The dumping of too many nutrients and toxins has caused a decline in the oyster harvest, created a moratorium on striped bass (rockfish) and Bay grasses have declined to almost the point of disappearing. The grasses are important as a molting place for crabs.

Too many nutrients have contributed to the excess growth of algae. As algae die, oxygen in the water is depleted. Fish cannot live without oxygen, resulting in fish kills.

Farmers contribute too many nutrients through runoff waters from the fields into streams flowing into the Susquehanna and ultimately into the Bay.

Dunn commended Hi-Score for being a manufacturer of clear liquid fertilizers using raw materials low in salts and heavy metals. As a liquid, she said, it would better stay in the root system rather than washing away. Farmers are looking for information on ways to cut down pollution; and as an expert in the field, it is Hi-Score's job to get this information to them.

Homeowners, too, must be taught how to use fertilizers and pesticides. More is not always better for their lawns and gardens. And again, a fertilizer low in salts and heavy metals would reduce nutrient and toxic runoff from homeowner properties.

Hi-Score is the manufacturer of Deere & Company's TLC, Tender Loving Care, line of lawn fertilizer as well as supplying farmers in more than 20 states.

Bank Names Mason To Regional Advisory Board

HARRISBURG — Timothy L. Mason of Landisville, controller of R.W. Sauder, Inc., has been named to the Lancaster Region Board of Commonwealth National Bank. The announcement was made by James F. Taylor, vice president and Lancaster Region manager. R.W. Sauder, Inc., is an egg processing and distribution firm located in Warwick Township.

Mason was previously affiliated with the Lancaster-based Pennsylvania Castings Division of Intermet Corporation as controller before joining R.W. Sauder, Inc., early this year.

Mason received a Bachelor of Science degree in accounting from Columbus (Ga.) College and also attended Auburn (Ala.) University.

He is a member of the National Association of Accountants and Hempfield United Methodist Church.

A native of Birmingham, Alabama, Mason resides in Landisville with his wife, Pamela.

Members of Commonwealth's advisory boards serve as advisors on such bank-related matters as community and business development and the quality of service at the bank's branches in the board's area. The Lancaster Region Board includes thirteen Commonwealth National Bank branch offices in Lancaster County.

Tim Mason

Plant Breeders, Farmers Must Team Up To Improve Grain Quality

DES MOINES, IA — It takes two to tango. And, in the dance of America's corn from hybrid seed development to an export commodity, both plant breeders and farmers need to watch every step for quality.

The plant breeder leads the quality quest with careful genetic selection. The farmer follows with proper grain handling, combine settings and good storage management.

At issue is foreign buyers' acceptance of the quality of the grain American farmers produce. The prize is the maintenance of acquisition of another share point of the world corn market. Each share point of the international corn market is worth $50.2 million to the U.S. economy. Farmers, elevators, terminals, and transportation service suppliers are impacted most directly by the gain or loss of a market share point.

"In the past there hasn't been a lot of work done in the area of grain quality," says Dr. Rick McConnell, director of the Department of Corn Breeding at Pioneer Hi-Bred International, Inc. "Breeders have been more concerned about yield and standability. However, that is changing and we are taking a closer look at what we can do to produce better grain quality."

This focus on breeding for quality works hand in hand with continued on-farm crop management. Charles Hurburgh, associate professor of agricultural engineering at Iowa State University, has devoted much of his research effort to fine-tuning grain handling procedures.

Quality Deterioration

"Many studies have been conducted on grain quality and they all basically have come to the same conclusion," says Hurburgh. "There is a steady increase in the breakage of corn every time it is handled.

"Each time corn is moved and dropped, you can figure on a 0.4 to 0.5 percent increase in broken kernels. In the course of exporting corn, it can be mechanically handled eight to 10 times from the farm to the end user. Also drying grain artificially further compounds quality problems," he adds.

"We also know that improper harvesting and drying also can create some quality problems. These come in the form of stress cracks or internal fissures in the kernel, which cause breakage in subsequent handling."

McConnell agrees that better methods of handling and storing can reduce the amount of broken grain, but says breeding for quality and transportability may give farmers longer-lasting benefits.

But developing hybrids that yield a more durable grain for shipment may take time.

"In our corn breeding program, we have to deal with hundreds of genotypes," says McConnell. "Until we find some method of screening a lot of germplasm for grain quality traits, our hands are somewhat tied."

Hurburgh and others at Iowa State are working on instrumentation that will help breeders screen germplasm for quality traits, but it may be five to 10 years before the technology is available.

(Turn to Page C8)

Each time corn is moved and dropped, the number of broken kernels increases by 0.4 percent to 0.5 percent. The Wisconsin Breakage Tester was developed to measure corn hybrids' resistance to breakage.

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Tomato Expert Is Program Speaker

SCRANTON (Lackawanna) — Dr. Randolph Gardner, from the North Carolina State University Experiment Station, will be the principal speaker at the Northeast Regional Tomato Growers meeting on January 5 at Thompson's Dairy Bar at Newton in Lackawanna County.

A graduate of Cornell University, Gardner has been involved in tomato research at the Mountain Horticultural Crops Research Station in North Carolina for 12 years. His primary responsibility has been to develop new tomato varieties of good quality and disease resistance to help growers stay competitive in eastern markets. Such well known varieties as "Mountain Pride," "Mountain Delight," "Piedmont" and "Summit" have been developed by Gardner.

Having been raised on a vegetable farm. Gardner can relate to grower problems in his research and in his presentations at meetings.

All commercial tomato growers, both fresh market and processing, are invited to attend the meeting which will start at 9:30 a.m. on January 5. Directions to the meeting place are also available on request by calling the Extension office at 717/963-6842. Phone reservations will be taken up to January 2.

Other speakers on the program include Dr. Cyril Smith and Dr. Alan MacNab from Penn State University; Tom Jurchak, Lackawanna County Extension Agent and James Garrahan, Pennsylvania Department of Agriculture.

Randolph Gardner

Plant Breeders

(Continued from Page C7)

Harder, Smoother Kernels Needed

Even hard-textured corn, harvested at high moisture and artificially dried at high temperatures, will be filled with enough stress cracks to cause breakage.

Although there are varying opinions on what constitutes the ideal hybrid, both experts say a harder, smoother kernel would be ideal.

That's why McConnell says a high-yielding hybrid with an above average test weight -- not extremely hard textured, but hard enough to take some handling -- may be the answer.

"It also must have good stalk quality and fast dry down, so the farmer has the option of allowing grain to dry in the field," he says.

Because many quality problems with high-yielding corn result from their softer kernels, plant breeders are looking into whether there will be a yield trade-off with harder kerneled corn.

"Harder textured corn tends to be lower yielding," says McConnell. "However, that doesn't mean the relationship can't be broken with genetic engineering technology."

Pioneer is establishing a special corn breeding program near Champaign-Urbana, Illinois. Breeders there will address grain quality issues and also will develop custom hybrids for industrial and food corn markets.

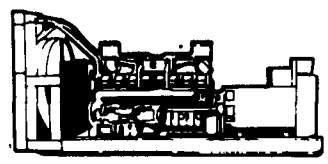
"Our program in Illinois will monitor the status of grain quality throughout our entire breeding program," says McConnell. "Pioneer breeders at other locations will be paying particular attention to the subject.

"We are attempting to improve grain quality as much as we can from the genetic side. We understand the farmer is still going to want yield and standability.

"However, it is always going to be a compromise situation when we try to pull all of the desirable traits together in one package."

McConnell says until research provides some concrete genetic improvements in terms of grain quality, farmers must continue to reduce breakage as best they can through careful harvest, drying and storage of corn for shipment.

MARTIN MACHINERY



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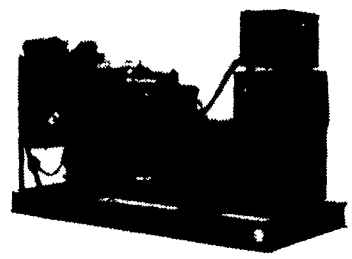

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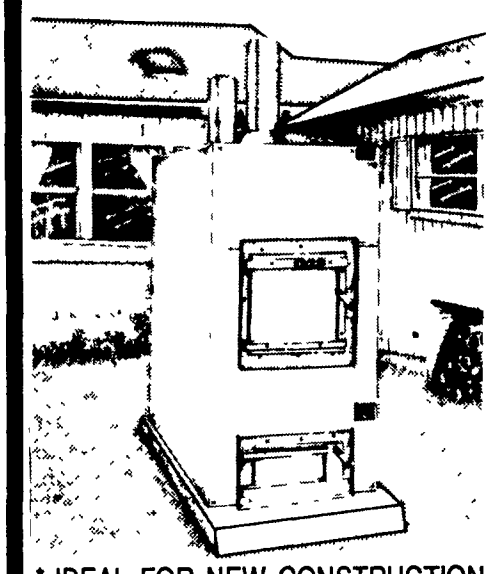

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Simmental Association Releases Trait Leader Bull Names

BOZEMAN, Mt. — ABR Sir Arnold G809 has repeated as a five-category trait leader among purebred Simmental sires who have qualified as Genetic Trait Leaders for 1989. The American Simmental Association has released the names of 301 trait leader bulls, including 141 that have qualified in more than one category.

"Trait leaders are determined, as a by-product of ASA's sire evaluation program," said Earl B. Peterson, ASA executive vice president. "In all, seven traits are measured through use of Expected Progeny Differences (EPD's): first calf calving ease, birth weight, weaning weight, yearling weight, maternal calving ease, maternal weaning weight, and maternal milking ability."

More than 900,000 progeny records were examined and evaluated," Peterson explained. "A bull must be in the top 10 percent of all active bulls evaluated to qualify as a trait leader. Superior performance and accuracy are both taken into consideration."

ABR Sir Arnold G809 is ASA's only five category trait leader, a status that he also achieved in 1987 and 1988. He qualified in: first calf calving ease, birth weight, weaning weight, yearling weight, and daughters' first calf calving ease.

Seven other Simmental sires earned Trait Leader status in four different categories. Baron MM 4378, Bold, and HCB Caufi 02C also qualified in four traits last year. Newcomers to the four-category list are HCC Ten, MCR Monarch 1D, Siegfried, and Switz Pol Big Bud.

An additional 31 bulls made the elite list in three traits. Those bulls, listed alphabetically are: ABR Sir Arnold G807, Alpine Polled Proto, AR Extra 8J, Bar 5 Big Deutsche, Bar 5 General 406L, C & B Western, Cajun Neff, Diamond J Frontier, Duncairn Modeler, EDN Destiny, Extra, Fame, Frenchie, Ignaz, Irish Rover, King Arthur, Langdon's Dovea Hunter, Millbrook Envoy, Montbeli, Passport, Pattern's Design 137M, PBM Savior, Pineview Jazz, Sabat, SBL Parisien 0013D, Signal, Single Nick Doubletime, SV Bavarian 7C, Tattenhall Achilles, Uslar, and ZT Zazou 50F.

"EPD's is a concept that is rapidly gaining acceptance by the serious cattle breeders in the U.S.," said Peterson. "And it's not restricted to seedstock producers. Commercial breeders are just as eager to take advantage of better-performing genetics as anyone in the industry."

The 1989 Sire Summary will be mailed to ASA members as a part of the regular October issue of The Register, ASA's official publication.

1989 DPI Officers, Directors Elected

GEORGETOWN, DE — The 1989 officers and directors for the Delmarva Poultry Industry Inc. (DPI) will begin their terms January 1. These poultry industry leaders guide the non-profit trade association working for the continued advancement of Delmarva's more than one billion dollar a year poultry industry.

The new president of DPI is Donald J. Lynch of Selbyville, DE. Lynch is president of Animal Health Sales Inc., a retail and wholesale animal products distribution company. He is a University of Delaware trustee, was a member of the Delaware House of Representatives from 1972 to 1978, and was Delaware Agriculture Department Secretary from 1981 to 1985.

Harry J. Mitchel of Berlin, MD, is the new DPI first vice president. Mitchell, who has served as DPI's Grower Committee chairman for five years, owns Mitchell Farm Inc., a broiler operation. As first vice president, Mitchell will chair the 1989 DPI Fund Drive.

The new second vice president is Alden H. Balfany of Salisbury, MD. Balfany is president of Central Grain Inc., a grain brokerage. Balfany has been a DPI director since January, 1984.

The immediate past president is Dr. Keith E. Rinehart, vice president of Technical Services at Perdue Farms Inc., Salisbury, MD.

Several new people will be joining the DPI Board of Directors on January 1, 1989. They are James F. Andrews, Elanco Products Co., Salisbury, MD; James Dennis, Perdue Farms Inc., Georgetown, DE; John King, Almodington Farm, Princess Anne, MD; William A. Tracey, Townsends Inc., Millsboro, DE; Robert L. Whaley, Laurel, DE; E. Randolph White, Mountaire Farms, Delmarva Inc., Princess Anne, MD; and Larry Winslow, Perdue Farms Inc, Salisbury, MD.

The returning directors are, from Delaware: George Adkins, Allen's Milling Co., Delmar; Everett T. Conaway, Conaway Processing Equipment Co., Seaford; Dr. G. Thomas Holder, Sterwin/Pitman-Moore, Millsboro; Daryl Houghton, Townsends Inc., Millsboro; Leon J. LaChance, Allen's Hatchery Inc., Seaford; Warren H. Mumford, Mumford Sheet Metal Works, Selbyville; L. Peter Patrick, Kellam Energy Inc., Millsboro; Charles S. Postles Jr., Milford; Edward H. Ralph, Ralph Enterprises, Laurel; William Saulsbury, Townsends Inc., Millsboro; Gerald B. Truitt Jr., Delmarva Poultry Industry Inc., Georgetown; and Lloyd R. Webb, Delaware Farm Credit, Georgetown. From Maryland: Charles C. Allen III, Allen Family Foods Inc., Cordova; Terry Baker, Showell Farms Inc., Showell; Richard S. Barr, Barr International, Salisbury; Joel Boren, Marva Farm Credit aca, Salisbury; Pat Cauley, ConAgra Poultry Co., Hurlock; James R. Cott, Hoffmann-La Roche, Salisbury; Robert Davneport, ConAgra Poultry Co., Hurlock; W. Simpson Dunahoo, St. Giles, Hebron; Richard Ennis, Holly Farms Poultry Industries Inc., Snow Hill; Neal Evans, Hudson Foods, Berlin; Paul E. Ferrier, G & M Sales of Delmarva Inc., Salisbury; Michael S. Guerrieri, Showell Farms Inc., Showell; Robert K. Holland, Perdue Farms Inc., Salisbury; Otto K. Lange, Allen's Family Foods Inc., Cordova; Donald D. Mariner, Hudson Foods Inc., Berlin; Robert G. Miller, Maryland National Bank, Salisbury; Edgar Morris, Parsonburg; Thomas R. Shelton, Case Foods Inc., Salisbury; Norris B. Twilley, Delmarva Power, Salisbury; Dr. Paul V. Twining Jr., Paul Twining Associates, Princess Anne; Alan Wilber, Salisbury and Franklin Wrenn, Showell Farms Inc., Showell. And from Virginia: Carl Cold, Holly Farms Poultry Industries Inc., Temperanceville.

Ex-officio members of the board represent the land grant universities serving Delmarva. They are Dr. William J. Benton, University of Delaware; Dr. Raymond J. Miller, University of Maryland and Dr. John H. Wolford, Virginia Tech.

Officers serving during 1989 are, from left: president—Donald J. Lynch, president of Animal Health Sales Inc., Selbyville, De.; immeidate past president—Dr. Keith E. Rinehart, vice president of technical services for Perdue Farms Inc., Salisbury, Md.; second vice president—Alden H. Balfany, president of Central Grain Inc, Salisbury, Md.; and first vice president—Harry J. Mitchell, president of Mitchell Farm Inc., Berlin, Md.

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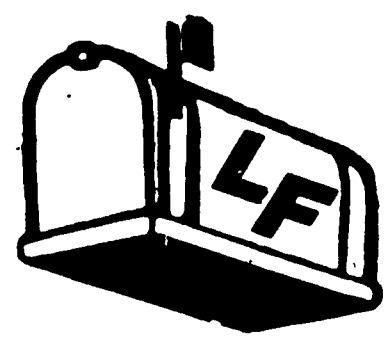

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- NH 479 Haybine
- NH 499 12 Ft. Hydra Swing
- NH 268 Baler w/Shoot, Very Clean
- NH #30 Blower, 1000 RPM, Excellent
- NH 67 Baler

PLANTING & TILLAGE
- Oliver 4BT Auto. Reset Plow
- JD 5 Bot. Auto Reset Plow
- Brillion 10' Packer
- Howard 5-Shank V Sub Soil Chisel
- 8' Drag Harrow
- IH 56 Planter, 4 Row
- Dunham 16' Packer w/Transport
- IH 10' Transport Disk Harrow
- Brillion 10' Culti-Mulcher, Used Only 10 Acres
- Brillion 16' Transport Harrow w/Wings
- IH 37 Disk, 10 Ft.
- Ford 8' Transport Disk Harrow
- AMCO Disk Terrace Plow

SPREADERS
- 200 Gal. Sprayer w/30' Boom
- IH 550 Spreader w/Hydr. Endgate
- NH 668 Tandem Axle Tank Spreader
- NI 218 Tandem Axle w/Hyd. Gate, Good Cond.
- NH 791 w/Hydraulic Endgate

MISC.
- Corn Drag Elevator
- NH 354 Grinder Mixer
- Brady 6630 Flail Shredder, 15' w/Windrow Attach.
- NH 357 Grinder Mixer, Excellent
- NI Flail Shredder

NH 1499 SP Haybine, 12 Ft. Head Only 117 Hrs.

NH 1900 Forage Harvester, 4WD, 4 Row Cornhead, Pick-Up Attachment, Excellent Condition

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CASE IH MAGNUMS 7110 & 7120

130 Horsepower, 4WD

Special Deal- CALL TODAY!

Featuring: Dual PTO Shafts, 540/1000

SPECIAL DEMO UNIT
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CALL TODAY

CASE 1818, 1835 & 1845 UNILOADERS

In Stock- Ready To Go!

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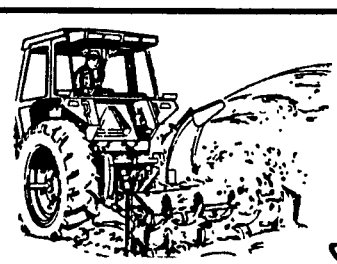
0% Financing



CASE IH 80 SNOW BLOWERS

Double Auger & Hydraulic Chute, Less Cyl.

Reg. Price $2,895

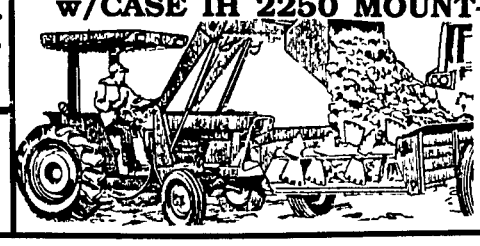
Only **$2,185**

Fast-Fill Your Tallest Silos!

Just Received A Trailer-Load- *ON SALE AT A SPECIAL PRICE!*

Case International 600 Forage Blowers

CASE IH 585 52 H.P., 4WD w/CASE IH 2250 MOUNT-O-MATIC



Mounting & Dismounting Was Never Easier!

WAIVER OF FINANCE TIL MARCH 1, 1989

0% Financing For 12 Mos	7.5% Financing For 48 Mos
5 5% Financing For 24 Mos	9.5% Financing For 60 Mos
6 5% Financing For 36 Mos.	*Or Cash Rebates!*

ATTENTION FARMERS: If Parts Are Needed After Hours To Keep You Going, Call Jay Gainer, Our Parts Mgr At Home 653-2238.

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Ford Credit

YOUR NEW HOLLAND EQUIPMENT HEADQUARTERS
Waiver Of Finance - Low Rate Financing Or Big Cash Rebate

LOOK FOR OUR OPEN HOUSE
Jan. 30, 31, Feb. 1, 2, 3, 4

JANUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

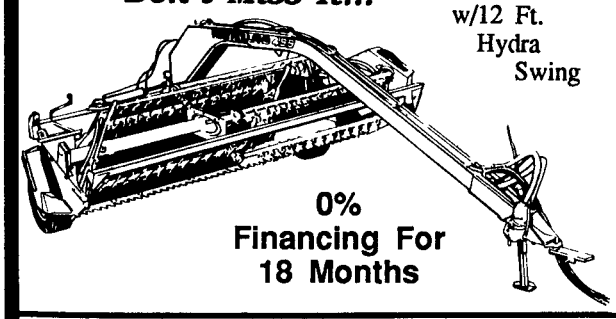
February

NEW HOLLAND

N.H. MODEL 499 MOWER/CONDITIONER

Don't Miss It...

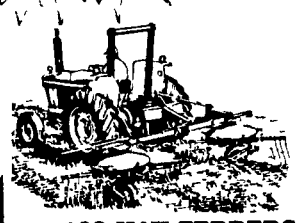
w/12 Ft. Hydra Swing



0% Financing For 18 Months

0% FINANCING 18 MOS.

N.H. 311, 316 & 326 BALERS



162 HAY TEDDERS
256 RAKES
258 RAKES
245 RAKE TEDDERS

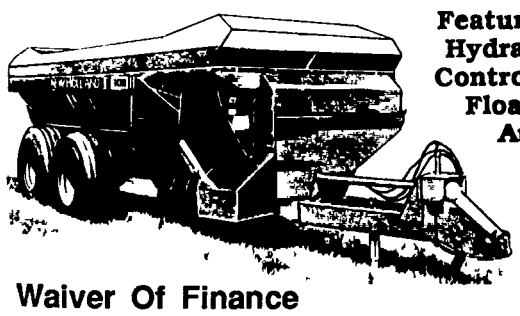
N.H. 1499 MOWER-CONDITIONER

CUT LOW: CLEAN WITH ON-THE-GO HYDRAULIC ANGLE CUTTER BAR

GET YOUR BEST DEAL NOW- 3 SOLD- ONLY A FEW LEFT

THE SIDE DELIVERY MANURE SPREADER THAT DOES IT ALL

Featuring: Hydraulic Controlled Floating Auger



Waiver Of Finance Until June 1, 1989

N.H. 308 w/2275 Gal. Capacity

N.H. 355 GRINDER MIXER

Featuring:
- Hydraulic Drive
- Electronic Scales

Waiver Until June 1, 1989

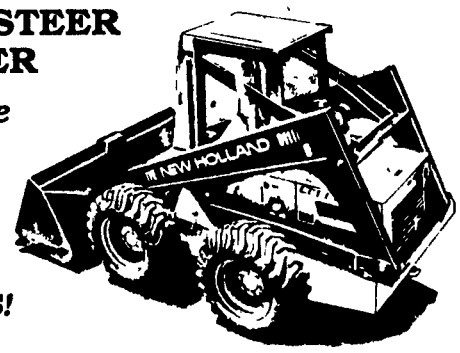
NEW HOLLAND 489 HAYBINE®

NEW HOLLAND 411 DISKBINE®

Demo Unit

N.H. L553 SKID STEER LOADER

We Have A Deal You Cannot Resist CALL US!



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N.H. 795 SPREADER

w/Hyd. Gate, Splash Guard, Top Beater

Built For Heavy Duty Hauling

Other Models Available: 213, 514, 520, 680, 791 & 795

No Payments Til June 1, 1989

SEE AD- HELP WANTED SECTION, PAGE A-17 (THIS ISSUE)

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1 FARM EQUIPMENT

IH 454 w/Dunham quick attach loader, 7½ ' bucket; NI 279 cut/ditioner; NI 402 rake, 5 bar, rubber mount teeth; 9' MC flail chopper. 717-949-3074 or 703-879-9926, from early morning til 8 p.m.

IH 706 diesel, WFE, TA, very good condition, $3,900. 717-532-8926

IH 7 frail chopper, $275

3PT rotory motor, $275; Ford hay baler, $150; 40" palette forks, $125. (717)534-1253.

IH 915 combine with 6 row, 30", 4 row 38" and grain head. Call (717)539-8467

IHC TD 340 Drott loader, dismantling for parts, good undercarriage, 4 in 1 bucket & ripper. Balanda Equipment Co., Palm, Pa. 215-679-3900

JD1010 crawler loader with log forks, motor good, undercarriage needs some repair, $3,000. 10x60 Aermotor windmill, good condition, $2,000. Cumberland Co., 717-532-3989.

JD 2020, Good condition, $3,500. (301)833-9091.

JD 2240 w/145 loader; JD 3010 gas; Case 830 Comfortking; hauling available. 301-582-1927.

JD 2510, gas WFE,, $4,000. (301)833-9091.

JD 2800 5-btm. plow, on the go variable width, $5,600. Snyder Co., 717-837-0724.

JD 2940 dsl., WF, 80HP, like new $12,500. 301-898-7426.

JD 2940, sound guard cap, 2400hrs, in good condition. (717)354-0484.

JD 3010, gas tricycle, good rubber, $2,500. (301)833-9091.

JD 3020, WFE, diesel, PS, $5,200. (301)833-9091.

JD 3200, 4B trailer plow, auto reset, $1,700. (215)445-5918.

JD 346 hay baler w/kicker; JD 2500 6-bottom hyd. reset plow; JD F-350 5-bottom hyd. reset plow; MF 250 Harvester w/2R corn head & pickup head. Stump Acres, 717-792-3216, York Co.

JD 420, as is, Best Offer. 717-866-7066

JD 4400, 831 hrs. actual, very good, $14,000. Larry Stalter, "The Combine Man". 1-800-248-2151

JD 4430, sound guard cab, air, heat, radio, excellent condition, $15,000 or best offer. 301-797-3921 Day, 301-733-6661 Evening.

JD 4440, 1,330 hrs. w/ duals, quad range, very good, $20,000.; Deere 3970 chooper w/metal detector, thru dealers shop, $9,900.; JD 3960 chopper & JD 3940 chopper. Larry Stalter, "The Chopper Man". 1-800-248-2151

JD #48 loader, HD materials bucket; JD hay rake 9'. Cumb. Co. 717-243-9031

JD 5020, syncrorange dual hydraulics, excellent condition, Bradford Co., 717-265-8801.

JD 5400 4WD chopper, 1,520 hrs., 7' hay head, about like new, air, radio, kept in, $26,900. Larry Stalter, "The Chopper Man". 1-800-248-2151

JD, 5-bottom plow, as is, $500. (215)589-2122.

JD 60, good rubber, runs good, $1,250. 717-866-7066

JD, 6 bottom, 16" semi-mount trip back plow, Fredericka, Del., $585. (717)534-1253.

JD 7000 conservation planter, 6R, frame mounted coulters, dry fertilizer w/auger fill, almost like new. 717-872-5007.

JD 7000 conservation 4-row complanter with insecticide, dry fertilizer, and filling auger, and monitor, excellent condition. JD 7000 4-row complanter with liquid fertilizer and monitor, excellent condition. JD 4-bottom plow semi-mounted, hydraulic reset, excellent condition, hillside hitch. (215)779-3284.

JD model 3010 diesel, NF, good condition, $3500. 717-532-7054.

JD stack & bale carrier, on rubber & hydraulics, like new, $895. 717-273-6018

Late 5720 SP chopper, 437 hrs., 4x4, 7', almost new, $60,800. Larry Stalter, "The Chopper Man". 1-800-248-2151

Loader attachment Yanmar YL580, like new, $1,200. (301)8933-9091.

Loader attachment JD 145 with wide bucket and valves, $2,400. (301)833-9091.

Loader attachment new GB fits most 30-60HP tractors with wide bucket and valves, $1,850. (301)833-9091.

Loader IH 150 with 4 and 1 very good condition. (301)335-4189, eve. (301)335-5920.

Loader tractor MF 203, 3pt, PTO, recent motor, $4,200. (301)893-9091.

LP gas ready heater, 80,000 BTU, like new, $210 OBO, Lancaster Co. (717)354-7709.

MANURE SPREADER NI 244, tandem, Gratz chain, 1 owner, like new, $3,500. 301-833-9091

Massey 65 diesel tractor, wide front, semi-hi clearance with new quick detach Dunham loader, $5,400. (717)566-2993.

McKee snow blower PTO, 8ft, like new, $900; JD 216 forage wagon, 3-beater w/ roof, tamdem gear, $2,300, Lancaster Co., (717)653-5923.

Melroe, Bobcat skid steer loaders. 1981 530 $8,750; 1978 610 w/Davis backhoe $10,500; 1979 825 $14,500. Clark Lift Services, 215-868-1481 ask for Mike.

MF 1130 diesel with roof, good condition, $5,500, bought cab tractor; tandem axle NI spreader, $650; IH elevator, good condition, $450. (717)534-1253.

MF 1135, 8 spd., weights, fenders, good rubber, $5,800. 301-833-9091

MF-135 gas tractor, PTO, 3PTH, running condition, $1000; Dump body, 10', w/ pump & cylinder, 30" sides, $500; '48 IH KB-7 school bus, $250. Berks, 215-926-2187 Steve.

MF 202 parts tractor, complete w/202 loader frame, $900. OBO.; Massey Harris pony tractor, good condition, $1,500. OBO.; 8N manure loader frame, $150.; Cordwood saw mounted on towable frame w/roll table, electric start 4 cylinder Wisconsin, 30" carbide blade, $1,200. OBO.; 8' York rake, 3 pt. hitch, $400.; 4 cylinder Fairbanks Moorse engine w/trans., $350.; 6 cylinder Buda complete, $300. 201-439-2370

MF 2705, 1980 w/factory cab, 20.8 duals, 1,200 original hrs., sharp, $12,500. 301-833-9091

MF 285 diesel w/steel wheels, $5,800. Berks Co. 215-944-0593

MF 285 diesel, wet brakes, multi power, dual hyd., radials, 18.4x34 tires; NH 355 Grinder Mixer w/ double fold auger, flotation tires, original hammers, extra clean; NI 354 galv. spreader, tandem axle, top beater, litter pan, hyd. drive; Mustang 1700 skid loader, Ford engine, torq. converter, big tires & bucket. 717-949-3074 or 703-879-9926, from early morning til 8 p.m.

MF 410 gas combine, 14' grain head, 4RW corn head, not quick attach; IH Farmall 560 tractor, gas w/3PTH; JD 24T baler w/ thrower. All in good condition. 717-286-1375.

M&W Dynamometer model #P400A, will test 540 & 1000 PTO, up to 230 h.p., $2,500. 717-333-4256

New Idea manure spreader 12-A, $595; also new apron, $130; 3pt cultivator, $200. (717)867-1959.

New & Used Parts for Oliver, New Holland & Minneapolis Moline. 717-333-4256

New & Used Vermeer Round Balers and Hay Equipment. Parts and service. 412-423-4076.

NH 38 flail chopper, all new insides $2,000. 301-898-7426.

NH 791 tandem axle manure spreader, 2-beater, hyd. gate, 360 bushel, VERY nice, $4,000 301-898-7426.

NH model L425 skid loader, very good condition, $6500. 717-532-7054

NI 200 PTO manure spreader, 90 bushel, very nice. $900. 301-898-7426.

NI 213 Spreader, $995; New Heat Houser for small tractor, never used, $70. 717-244-9042.

NI, model 325, 2-row narrow compicker, good condition; NH, model 770, harvester, 2-row narrow cornhead, excellent condition; Little Giant, 321 elevator, excellent condition. (717)859-2409.

North West drag line, 80D, 75' boom, 2½ yard bucket, $20,000. 302-378-8133 Evenings.

Oliver manure spreader; Offset disc; Dump trailer; V-plow. 717-949-3074 or 703-879-9926, from early morning til 8 p.m.

Oliver super 55 gas, good rubber, remote outlet, draw bar, 3PT, good condition, $2200. 717-866-7066.

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CURRENTLY DISMANTLING
AC, Cat, IHC, JD, Case, Michigan, Hough, Galion and others. Loaders, dozers, graders, excavators, backhoes. Many parts removed & checked, ship anywhere.
NATIONWIDE PARTS LOCATER SERVICE
NEW ARRIVALS FOR DISMANTLING
AC HD-3 crawler loader, IHC TD-340 Drott loader, JD 1010C loader w/good undercarriage, JD 440 loader w/gas engine & good undercarriage, Cat. 977H-53A, Hough 120C w/ Cummins power. And more, inventory changes weekly.
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WANTED winch for 450 John Deere crawler. FOR SALE Round feed bin, approximately 12T, in good condition. (302)492-3744.

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Crawlers: IH 150 w/4 in 1; IH 100-C w/4 in 1, ROPS & ripper; Case 450B 6-way.
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Miscellaneous: Cummins 50KW generator; MF 2500 Forklift; Ford 3 pt. mower model 917; Cat 75 KW generator, complete, self contained.
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Farmall M
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NH Model 27 blower, $1,000
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NH 273 Baler Good Shape No Thrower
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NH 489 Haybine $2,800
9' Owatonna Haybine, $795
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IH 225 Mower Conditioner, Looks Good
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- Free estimates -

Conestoga Building Supply Company
New Holland, PA
1-800-544-9464
or
717-354-2613

WALTEMYER'S SALES & SERVICE, INC.
John Deere Sales & Service
Route 24, 2 miles South of Red Lion
717-244-4168 or 717-246-3662

1967 JD 4020 WF Good condition
JD 8300, 21x7 Single Disk Grain Drill
(2) JD 1209 mower conditioner
Farmall 706 Gas Tricycle 3 PTH, new tires
MF 43, 4R Corn Head
1R Snapper head for 3940 JD forage harvester
2 row Champion potato harvester w/ motor
JD 125 skid loader
Woods C80 pull type rotary mower
JD 896 parallel bar rake
JD 125 chuck wagon on 1065 running gear
JD 4 RW Row Crop Cultivator

Used Lawn Tractors
214 w/38" Deck w/Bagger
314 w/46" Deck Hydrostatic & Rebuilt Engine
180 w/46" Deck, Gear Drive
Snapper w/Mower & Blower

USED TRACTORS

856 International $7,500
5000 Ford Select Speed..... $5,500
or offer
C Allis Chalmers $550
A Farmall with Blade..... $2,550

Call 1-301-833-1847

GOOD USED FARM EQUIPMENT

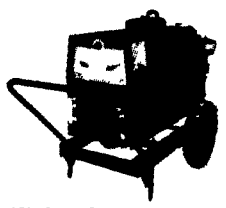
NH 411 discbine, (NEW)..... $10,500
NH 489 haybine, (NEW) w/ hydraulic hitch $8,200
JD 336 baler w/#30 kicker, like new..... $4,850
NH 304 spreader, (NEW)..... $4,800
JD 110 disc, 12', nice..... $1,450
NH 56 rake w/dolly whls..... $1,050

CAN DELIVER
717-933-8134

WES STAUFFER
ENGINES & EQUIPMENT
23 Pleasant Valley Rd.
Ephrata, PA 17522
(717) 738-4215

Authorized Dealer
WISCONSIN ENGINES
Onan Engines
KOHLER engines
BRIGGS & STRATTON
Parts Shipped Daily UPS

Rebuilt Welders



(2) 225 Amp Linc Welders
225 Amp Miller AEAD Welder
200 Amp Miller Blue Star Welder
200 Amp Airco Welder
Rebuilt 2 & 4 Cyl. Wisconsin Engines
THD w/ or w/o Cl. Rd.
VH4D w/ or w/o Cl. Rd.
VG4D w/ or w/o Cl. Rd.
Also New Honda and Biggs Engines

Fisher's Farm Shop
RR1, Box 114
Lincoln University, PA 19352

Calf Hutches & Tanks

Factory to farm prices. Long lasting durable polyethylene calf hutches, lightweight, well ventilated, easily cleaned, 3 yr. warranty.

Need a water tank? 25 to 2500 gal. Pick up tanks, 300, 420 & 465 gal. Starting at $155.

717-267-3654

Frey's Dairy Garage
1308 Spring View Drive
Chambersburg, PA 17201

IH TRACTOR SALVAGE PARTS
Savings to 50% & More
BATES CORPORATION
14th AND FIR RD., BOURBON, IN 46504
PARTS DISMANTLED CLEANED & READY FOR SHIPMENT
WE SHIP UPS, TRUCK, BUS
FOR THOSE HARD-TO-FIND & DISCOUNTED ITEMS
Call the Parts Specialists: 1-800-248-2955

Best Buys in Used Equipment

OPEN HOUSE DAYS COMING SOON

USED EQUIPMENT

Delayed payment on ag tractors to 6-1-89.

AG. TRACTORS
IH 806, Diesel, WFE
Case IH 235, 4WD, Hydro, 18 HP
Case IH 585 MFD, Cab, Loader
Case 1410, Diesel, Power Shift
Case 2090 Canopy, Power Shift
Case 2094, Cab, Power Shift
Case 2670, 4WD
MF 230, Diesel

INDUSTRIAL TRACTORS
MF 30E Tractor Loader, Cab
Case 580CK Tractor Loader
Case 580D Loader Backhoe
Case W14 Wheel Loader
Trojan 1900 Wheel Loader

IMPLEMENTS
Hay & Forage
IH 225 Hay Swather
Gehl FB99 Blower
Gehl HA 900 Hay Pickup
Gehl 2RN Row Crop
Gehl 2RW Row Crop
Gehl 1460 Round Baler
NH 25 Forage Blower
JD 350 Sickle Bar Mower
JD 800 Windrower

Miscellaneous
Gehl 120 Grinder Mixer
JD 750 Grinder Mixer
NI 325 Corn Picker
NI 5 Bar Rake
Case Garden Tractors
Case 5 Tooth Chisel
NH 790 Manure Spreader
Meyer Snowplow, 7 Foot

A.L. HERR & BRO.
Park Ave., Quarryville, PA 17566
(717) 786-3521
We Ship Parts U.P.S.

case IH

JOHN DEERE
FMC

All B & L & G Series Kubota Tractors w/Special Prices

NEW EQUIPMENT

Brillion 3 PT Landscape Seeder Model SSLP642, 5'4" Width, $2,015
FMC Sprayer 300 gal. Fiberglass w/10 gal. per minute pump $3,200
JD AMT 600 Material Transport, $2,995
NH 234, 8T Running Gear, $990
JD 338 Baler

USED EQUIPMENT

MF 760 Combine w/V8 Engine, 6RN, 17' Grain Platform & 4 RW Head $18,500
JD 1520, 2 WD Tractor, $5,500
JD 2440, 2 WD Tractor
JD 2240, 4 WD
JD 950 Tractor w/Ldr., 4 WD, PS, Low Hrs., $12,500
JD 1050 Tractor w/Ldr, 4 WD, PS, Low Hrs., $12,500
JD 850 2 WD Tractor, $6,900
Kubota B8200 HST 20 hrs., Front End Ldr. P/S, $10,500
NH 320 Baler w/Thrower
Ford 4600 Dsl. Tractor, $9800
(2) JD 1327 Rotary Disk Mower Conditioners
NH 463 Rotary Disc Mower, $2,500
JD FBB Grain Drill, $1,100
(2) BWA JD Disk Harrow, $1,450
JD F145, 5B Plow, $1,400

M.S. YEARSLEY & SONS, INC.
110-120 E. Market St.
West Chester, Pa. 19380
215-696-2900

WOODS
Division of Hesston Corporation
OREGON ILLINOIS 61061

We're looking for work.
KUBOTA

Best Buys in Used Equipment

TRACTORS

Kubota L295 DT
Steiger ST 325, 350 HP
Steiger PT 225, 300 HP
Steiger Bearcat II
Case 1845 Uni-Loader
AC D17 w/Loader
Oliver 550
Oliver 550 w/Loader
IH 606 w/Loader
IH 684 w/Loader
IH 2544 w/Loader
IH 400
IH 806
IH 4568
IH 5088
IH 1066
JD 4840

TILLAGE

JD 220 Disk 16'
IH 550 Plow 5x16
IH 140 Rollover Plow 4x16
Brillion 19' Packer
JD 20' Packer
Bush Hog 1439 Disk 16'
IH 6500 Consertill 12'
IH 490 Disk 22'
Krause 12' Landsman
MF 880 5x16 Plow
Brillion 14' Field Cultivator
Krause 33' Field Cultivator
Krause 4138 Field Cultivator 38'
Case 14' Disk
Krause 1976 Disk, 33'
Krause 1966 Disk 31'
Sunflower Disk 29'
Dunham Lehr 41' Knotched Packer
Dunham Lehr 23½ ' Crowfoot Packer
JD 2500 Plow 6x16
Brillion 21', Crowfoot Packer
JD Plow, 5x16
Oliver Plow, 4x16
IH 710 Plow, 6x18
Tebben Deep-Till, 7x30"

MISCELLANEOUS

AC 6 Row Planter
NH 256 Rake
NH 1495 Head
JD 8300, 23x7 Drill
NI 245 Manure Spreader
NI 299 Mower Conditioner
NH 28 Blower
NH 850 Round Baler
IH 47 Baler
Roanoke Hydraulic Boom Mower
Hesston 4800 Big Baler
NH 352 Grinder Mixer
FMC Model DM10E Sprayer
IH 60 Shredder

COMBINES

Just Arrived:
IH 1460 w/1400 Hrs.
MF 760
IH 915—JD 7700
IH 1460—IH 815

HOOBER
HOOBER EQUIPMENT INC
MIDDLETOWN, DE
(302) 378-9555 1-800-341-4028

case IH

MASSEY-FERGUSON
Where farmers' ideas take root.

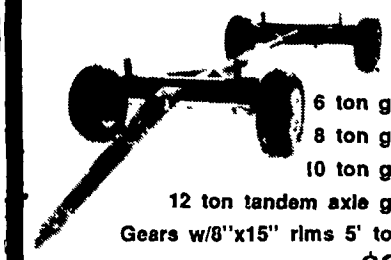
Farmall Super A
Farmall H
MF 175 Dsl.
8SP
MF 175 D 12SP
MF 670 Cab & Air
MF 1080
MF 1150
Case 5B Auto Reset Plow
JD 2600, 4B Plow
MF 124 Baler w/Thrower
NH 320 Baler w/Thrower
IH 1190 Mower Conditioner
IH 56 Blower
NH 27 Blower
NH 56 Rake
Hub 30' Elevator
Gravity Box on 10T Gear
Case 1537 Skid Loader

LARGE SELECTION OF WOODS ROTARY CUTTERS IN STOCK BUY THIS FALL AND SAVE

Ford
FORD
NEW HOLLAND

SCHREFFLER EQUIPMENT
Pitman, PA
717-648-1120
717-648-1811

WAGON GEARS



6 ton gear **$400**
8 ton gear **$440**
10 ton gear **$575**
12 ton tandem axle gear **$875**
Gears w/8"x15" rims 5' tongue
12.5L tires w/tube **$62.50** each;
11L Tires w/Tube **$42.50** ea.
Oak Wagon Flats, 8'x16'-18' **$175-$200**

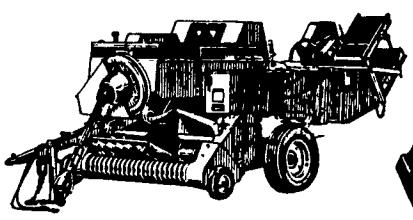
AARON M. WENGER
264 Voganville Rd.
New Holland. PA 17557
717-656-9876

(2) Sets Wedge Lock 38" IH Wheels
(2) Sets 20.8x38 Duals for IH

IH Hydro 70, WF 3PT, Dual Hydraulics
JD 4430
JD 4020 diesel
JD 730 diesel
JD 620 gas
IH 966 w/cab
IH 806
IH 1206
IH 706 diesel

RAYMOND B. LEAMAN
Willow Street RD 1
Ph: Lancaster
717-464-2778
Midway between Lancaster & Quarryville off Rt. 222 take Brenneman Road at Graybills Bros. Garage, Refton.

NEW EQUIPMENT IN STOCK



- Case IH 8520 Twine Baler w/Thrower
- Case IH 8540 Twine Baler w/Thrower
- Case IH 8540 Wire Baler w/Thrower
- Case IH 8420 Round Baler
- Case IH 8320 7 Ft. Mower Conditioner
- Case IH 1190 Mower Conditioner, 9 Ft.

MAGNUM IS HERE!
• CASE IH 7130, 4WD, 20.8x42 Rear Tires In Stock
— — —
Also
7110 4WD (Demo, Rental)
And
7120 4WD

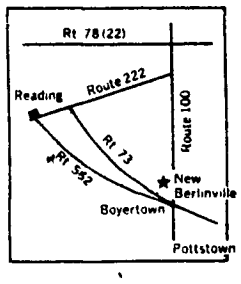
Case IH 2096, 2WD, Cab
Case IH 2096, 4WD, Cab — Demo, Rental
Case IH 585 Low Profile Orchard Tractor, Must Sell
Case IH 685 In Stock, Low Profile Orchard Tractor, Must Sell
Case IH 685, 4WD, Shuttle Shift
Case IH 885, 4WD w/Cab
Case IH 1825 Gas Uni-Loader
Case IH 1818 Diesel Uni-Loader
Case IH 1835 C Gas & Diesel Uni-Loaders — New Units In Stock
Case IH 1845C Uni-Loader
Case IH 4500 Vibra Shank Field Cultivator
Case IH 496 Disk Harrow, 19 Ft 1, 9" Spacing, Must Sell
Case IH 496 Disk Harrow, 18 Ft 7, 7½" Spacing, Demo Unit, Must Sell
Case IH 6500 11' Consertill
Case IH 415 Packer Mulcher 10'1" - Demo
Case IH 5611 2 Rank 11' Chisel Plow
Case IH 5513 3 Rank Chisel Plow
Case IH 5607 2 Rank 7 Ft. Chisel
Case IH 5700 3 Rank 11 Ft. Chisel
Case IH 595 Spreader
Case IH 50 Shredder - Must Sell

Case IH No. 10 Flail Chopper
Case IH 900 Planters - 4 & 6 Rows, Must Sell
Case IH 2200 Loader
Case IH 2250 Loader
Case IH 2255 Loaders
Case IH 74L Loader For 1394, 1494 & 1594 Case Tractors
Case IH 710 Loader For Magnum Tractor
Case IH 1044 4 Row Cornhead
Case IH 1043 4 Row Cornhead, Old Price

case IH

We Ship UPS Daily!

Hours: Daily 7 to 5:30; Sat. 7 to 3



ERB & HENRY EQUIP., INC.
New Berlinville, PA
One Mile North of Boyertown
215-367-2169

case IH

Jan. 1, 1989

Dear Valued Customer,

This year was certainly a challenge for all of us and sometimes in the rush of business, we may forget to say thank you.

Without you we could not exist. We will always do our best to be of complete service to you and to satisfy you.

We do appreciate your business. But most important of all, we wish you and your family a New Year filled with health and prosperity.

Binkley & Hurst Bros., Inc.

OWNERS
Leonard Hurst - General Mgr.
Amos Hurst, Jr. - Service Mgr.

ACCOUNTING
Meredith Miller
David Binkley
Kimberly Martin

SALES STAFF
Don Hoover
Amos Hurst, Sr.
Rick Pfautz
Merv Nissly
Eugene Hoover

SERVICE STAFF
Isaac Hurst - Parts Dept. Mgr.
Marty Weaver - Parts Dept.
Bryan Crouse - Parts Dept.
Allen Martin - Parts Dept.
Jerry Miller - Parts Dept.
Joe Garman - Parts Shipping & Receiving
Raymond Rutt - Shop Foreman
Walter Martin - Mechanic
Clifford Horst - Mechanic
Wilson Horst - Mechanic
Isaac Zimmerman - Mechanic
Nevin Horst - Mechanic
Glenn Horst - Mechanic
Roy High - Mechanic
Kevin Huber - Setup
Nelson Huber - Setup
Milton Horst - Truck Driver
Leroy Weber - Truck Driver

Quality Products, Good Service And Fair Prices Are Year-Round At Binkley & Hurst Bros., Inc.

WE REPRESENT THE FOLLOWING ITEMS:

- Case IH Co.
- J.B. Woodhouse
- Better-Bilt
- Bush Hog
- Sunflower Farm Equipment
- Gehl Company
- Todd Farm Equipment
- Cummings & Bricker, Inc.
- General Eagar Beaver
- Hamilton Equipment
- Unverferth McCurdy
- Ryder Supply Co.
- Husky Farm Equipment
- Kinze Planting Equipment

AND SELL THE FOLLOWING PRODUCTS:

case IH — FULL TILLAGE LINE • Tractors • Uniloaders • Combines • Farm Loaders • Full Line Of Farm Equipment		RICHARDTON DUMP WAGONS and CONVEYOR BOXES	Unverferth McCurdy GRAVITY BINS, TRUCK AND GRAVITY BIN HYDRAULIC AUGERS, HIGH PERFORMANCE SHORT TURN RUNNING GEARS
GEHL Forage Boxes, Mix-Mills, Forage Harvesters, Forage Blowers, Skid Loaders, V-Type & Web Manure Spreaders, Etc.	KNIGHT MIXER WAGONS AND MANURE SPREADERS	See Us For Used Backhoe Loader Tractors	WOODS MOWERS & BLADES
SUNFLOWER TILLAGE, HEAVY DUTY DISK HARROWS & FIELD CULTIVATORS	BUSH HOG ROTARY CUTTERS	BEHLEN CORN CRIBS	UNVERFERTH TRACTOR RIMS AND DUAL WHEEL KITS
See Us For Used Crawler Loaders And Dozers	TRANSPORT GRAIN AND FERTILIZER AUGERS	General Eagar Beaver TAG-ALONG TRAILERS	HUSKY MANURE HANDLING EQUIPMENT
KINZE CORN PLANTERS & GRAIN CARTS	MARTIN RUNNING GEARS BRUNS GRAVITY FLOW BINS	HARVEST-HANDLER ALUMINUM ELEVATORS	ATHENS DISK HARROWS, COULTER CHISELS, CHISEL PLOWS
ZIMMERMAN RUNNING GEARS & ELEVATORS	"BETTER-BILT" PARTS & SERVICE	RHINO by Athens Wing Rotary & 3 Pt. Rotary Cutters & 3 Pt. Light To Heavy Duty Scraper Blades	BUCKETS & FORKS MADE TO ORDER FOR ANY SKID LOADER OR YOUR TRACTOR LOADER

If You Need Repair Service, Call Our Service Manager Now For Quality Repair Work

BINKLEY & HURST BROS. INC.
SALES PARTS SERVICE

133 Rothsville Station Rd., Lititz, PA 17543
Located ½ Mile North of Rothsville
(717) 626-4705
Wintertime Hours:
Mon.-Fri. 7 AM - 5 PM; Sat. 7 AM - 11:30 AM
Sun. Closed - Lord's Day
Emergency Parts Dept.: 717-626-0885 717-933-4753 717-273-5

1989 CUSTOMER KICK-OFF

Not Only Have We Extended Our 1988 CASH & CARRY SALES Effect Into 1989, But We Are Including A Special 3-Night Series Of Product Seminars To Help You Kick-Off The New Year!

WEDNESDAY, THURSDAY AND FRIDAY JANUARY 4, 5, 6 - 1989

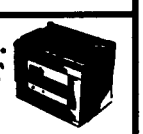
— Company Representatives On Hand To Answer Your Questions
VIDEO PRESENTATIONS - PARTS SPECIALS

★ PLAN NOW TO ATTEND ONE, TWO, OR ALL THREE PROGRAMS ★

Parts Department Open Until 9:30 PM Each Night • Light Refreshments Will Be Served

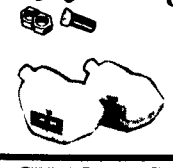
DISCOUNT CASH & CARRY DAYS
End Jan. 7, 1989
See Dec. 10 Ads
CLOSED: Monday, Jan. 2nd

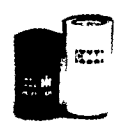
SHOP AT BINKLEY & HURST BROS., INC. FOR QUALITY PRODUCTS AT DISCOUNT PRICES



Oil & Filters, Powerwashers, Batteries, Seats, TA's, Paints, Bolts & Nuts, Hand Cleaners, Tire Gauges, Halogen Lights, Toys For The Children & Collectors, Etc.

Let Us Supply Your Needs During Our ANNUAL DISCOUNT CASH & CARRY CUSTOMER APPRECIATION DAYS SALE





CHECKLIST YOUR SUPPLY OF THESE ITEMS PLUS ANY PARTS YOU MAY NEED TO SAVE UNDER OUR

DISCOUNT SAVINGS PROGRAM

- ❒ Hundreds of combine parts
- ❒ Anti-Freeze
- ❒ Air, oil, fuel, hydraulic filters for Case, International and other model tractors
- ❒ Paint in gals., quarts, and spray cans
- ❒ Seat covers
- ❒ Grease cartridges
- ❒ Cutting edges for many different widths & types of buckets discount good on cutting edges even if our shop installs them
- ❒ Ether
- ❒ Gasket sealer
- ❒ Batteries
- ❒ Hoses, belts, thermostats
- ❒ Hitchpins & clevis
- ❒ Curved chisel plow shovels
- ❒ Moldboard plow parts
- ❒ Glencoe soil saver points shovels
- ❒ Disk harrow blades
- ❒ Hydraulic cylinders
- ❒ Head and work lights
- ❒ Engine block heaters and tractor
- ❒ SMV emblems
- ❒ Water pumps, tune-up parts
- ❒ Loctite products
- ❒ Pressure washers
- ❒ Seat assembly
- ❒ Water coolers (Igloo)

NOTICE: The Least You'll Save On Our Entire Parts Inventory & On Paid Orders Of Parts Not Stocked Is 10%! If You Purchase Over $400. You'll Receive 15% Off. Some Items Up to 40% Off Our Regular Prices. Also, Special Sale Items Can Be Used As Qualifiers To Get Your Other Purchase Into The 15% Bracket. No Additional Discount On Specially Priced Items.

Remember...If The Part You Need Is Not In Stock We Will Order Under Our Bi-Weekly Program & You Will Still Receive Discounts For Orders Paid When Ordering. This Includes All
• CASE ' INTERNATIONAL HARVESTER • CASE IH
• RHINO • BETTER BILT • And All Our Short Line Parts.
• KINZE & JOHN DEERE 7000 Series Corn Planters

NOTICE: The First $10,000 You Spent In 1988 For Machinery Or Other Items May Be Direct Expense Write-Offs For Tax Purposes.

Come & Get A Sneak Preview Introduction Of The NEW GEHL 5620 SKID LOADER, 52 H.P., And The New Line Of GEHL MIXER FEEDERS!

Wednesday, January 4

GEHL NITE

Featuring:
— V-Type Spreaders
— Skid Steer Loaders
— Round Balers
— Forage Blowers Choppers, Wagons

Thursday, January 5

CASE IH NITE

Featuring:
— Magnum Tractors
— Round Balers & "B-Line" Square Balers
— Tillage Equipment
— Mower Conditioners
— Skid Steer Loaders

Friday, January 6

KINZE - SUNFLOWER- RICHARDTON NITE

KINZE - 4 Row & 6 Row Planters, Various Configurations On Display - Order One To Your Specifications!
SUNFLOWER - Disk Harrows From 10'-32' Available, Various Models On Display
RICHARDTON - Dump Wagons For Forage Or Vegetables, Specialty Designs Available To Meet Your Specifications

BINKLEY & HURST BROS. INC.
SALES PARTS SERVICE

133 Rothsville Station Rd., Lititz, PA 17543
Located ½ Mile North of Rothsville
(717) 626-4705
Wintertime Hours:
Mon.-Fri. 7 AM - 5 PM; Sat. 7 AM - 11:30 AM
Sun. Closed - Lord's Day
Emergency Parts Dept.: 717-626-0885 717-933-4753 717-273-5673

COMBINE

750 MF Hydrostatic, 1163, 6R corn head, 14' grain table. One owner.

$12,500

301-771-0071

Used SKID STEERS

80 IH 4130 w/Bucket, New Rubber & Paint, $5,200
IH LC 4DG As Is, $1,495
87 Toyota SGK6, $9,900
87 Toyota SDK7, $11,900
87 Toyota SDK8, $13,500

Ask for Larry At
717/667-6731
717/825-2789
or evenings
717/667-2373

Ford Tractors Equipment — NI NEW IDEA — Hesston — WHITE FARM EQUIPMENT

USED EQUIPMENT

MF 65 Dsl. w/Ldr.
Brady 12' Flail Shredder
NH 488 Haybine
White 2105 w/Cab
AC 170 Tractor
MM 670 Gas Tractor
MM G1000 Vista
Gleaner F2 Combine w/13' & 6R C.H.
JD 4400 Combine w/13' Grain & 4 RN C.H.
AC 4R Planter
Gehl 95 Grinder Mixer
18' Brady Hyd. Fold Chisel Plow
(2) White 706N Corn Heads
Fox 728 2R Corn Head
Hesston 1090 Windrower
Brady 722 Flail Shredder
Hesston 7150 Forage Harvester
Pittsburgh 12' Field Cultivator
Ford 503 Rake
Westfield 7x51 Auger

STANLEY'S FARM SERVICE
RD Box 46
Klingerstown, PA
717-648-2088

FRANK'S REPAIR

325 W. Moorestown Road (Rt. 512)
Nazareth, PA 18064
(215) 759-6276

Zetor 43-141 PTO HP tractors, 2 & 4 wheel drive, cab with heat and air, 2 year drive train warranty
Kioti 2 & 4 wheel drive, 17-22 HP, tractors
Loaders, backhoes and mowers available
Woods mowers and blades. Winter special

USED EQUIPMENT

445 Ford with loader
900 Ford rebuilt engine
9N Ford with snow plow
800 Ford 5 speed
TO20 Ferguson with snowplow
Fordson Major Diesel recent overhaul
AC D17 with loader
AD model G
Farmall M
Satoh 650 new engine with snow plow
3 PT Cord wood saw
5' 3PT scraper box
NH super 68 baler
729A NI Uni sheller
WW grinder 3PT chipper/shredder
5 shank Landoll chisel plow
6 ton running gear with Ficklin box
Hydraulic hoses made ¼ "-1¼ "

FOR SALE

All equipment kept under cover, less than 4 yrs. old.
JD 3940 forage harvester w/both corn & hay heads
Badger forage harvester wagon
NI 2 row corn picker
(2) Kilbros gravity boxes, (1) w/6" hydraulic auger
JD 115 back blade
16x55' concrete stave silo, 16' silomatic unloader, blower
7½ ton fiber fab supplement bin
Patz 162 conveyor, 20'
Patz 166 conveyor, 77'
Patz 2120 belt feeder, 50'
Patz 50' covered bunk
Schwartz 480S mixer w/electronic scales
All equipment like new, all equipment in excellent working order.

Call
201-838-9388 or 914-986-2198

COMBINES

MF 750 Combine 44 Head, 15' Platform
JD 1975, 7700 w/215 Flex Head
JD 15' Rigid Platform
AC 4RW Cornhead for M or M2
NH TR70 w/15' Platform
JD 643 CH for NH Combine
AC Gleaner G 6R 30" Head 15' Rigid Platform

TRACTORS

IH Cub 154 Loboy
JD 4230 QR No Cab
JD 850 Dsl. w/6' Belly Mower

PLANTING EQUIP.

AC 8R No-Till w/Liq. Fert. & Hydraulic Markers
AC 330 4 R Planter
JD 12R Front Fold No-Till Dry Fert.
JD 7000 Cons. Model 6R-30" Dry Fert. & No-Till
JD 7000, 8RN No-Till Liq. Fert.
JD FBB Drill 17x7

MISC.

NH 271 Baler
JD 346 Twine Baler w/Kicker
JD 347 Wire Baler
Nitrogen Applicator w/Tanks
AC 14' Disk Harrow
IH #60 Stalk Shredder
IH 500 Disk, 15'
(2) Woods 121, 10' Rotary Mowers
Woods 114 Rotary Cutter 9½ '

Cooper Ent., Inc.
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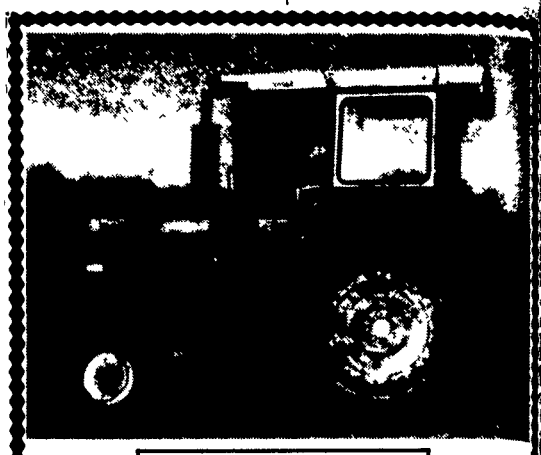

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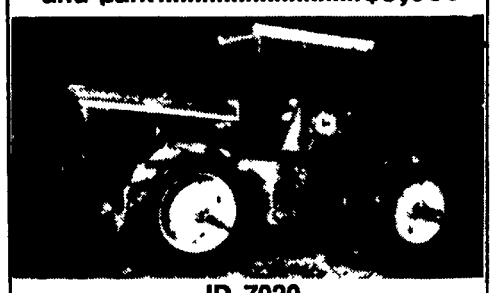

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- JD 2840
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- JD 4020 diesel, PS, WF, 38" rubber
- JD 730 diesel standard w/3PT, PTO & adj. WF

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- IH 986, 81 model, cab & air, low hrs., 38" rubber
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- IH 856 diesel, standard, very nice
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- IH 684 w/cab, TA, 1400 hrs., one owner
- IH hydro 84, low hrs.
- IH 574 diesel
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- Nice JD 300 Husker w/3RN or 2RW Head
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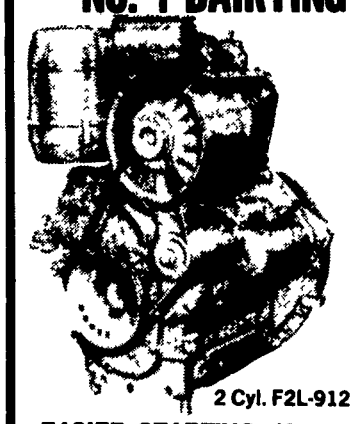

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- IH 46 Baler w/Thrower
- Badger 165 Round Baler
- NH 495 12' Haybine w/Lat. Transport
- NH 489 9' Haybine
- NH 461 Haybine
- NH 469 9' Haybine
- NH 1469 S.P. 9' Haybine (no cab)
- NH 1469 SP Haybine w/Partial Cab

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- AC 7020 (123 HP) Tractor w/Cab & Air, Powershift, Wgtd
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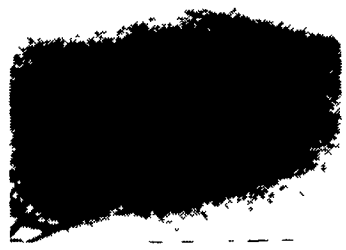
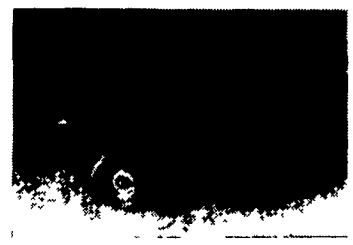
IH 55 Chisel Plow, 11 Shanks, 32" Gauge Wheels (T3869)



Landoll 7 Shank Slicer Chisel, 11Lx15 Tires (T3504)



Glencoe Soilsaver, 11 Shank, Good (T3139)

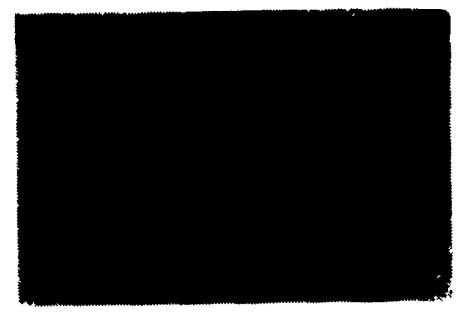
Landoll, 15" Shank Slicer-Chisel, 18" Slicers, Buster Bar Finisher (T3274)

John Deere 1700 Mulch Tiller, 13 Shanks (T3651)

TRACTORS

Minneapolis-Moline Model 1600 4 WD, Diesel, Dual 18.4x34 Tires, Cab (W3389)

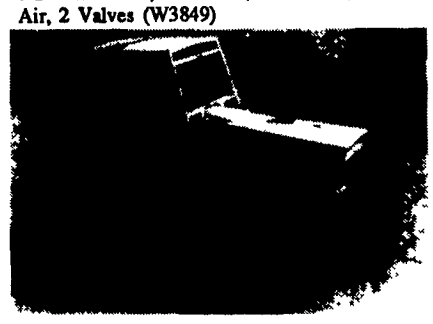
IH F1086D Tractor, Diesel, Gear, T/A, 11:00x16 &20.8x38 Tires, Dual PTO, 3 Pt. Hitch, Cab w/ Air, 2 Valves (W3849)



IH F1086 Diesel, Gear, TA, 18.4x38 Tires, Dual PTO, Cab w/A/C (W3500)

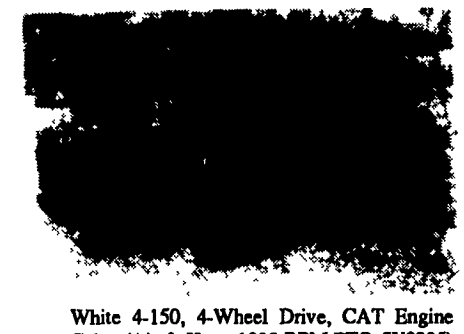
IH F1086D Tractor, Diesel, Gear, Cab, Sharp (W3691

IH 3588 2+2, AC, TA, 18.4x38 Dual PTO (W2244)

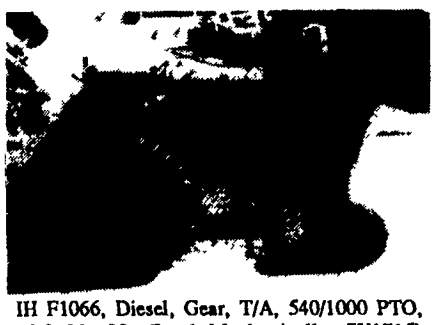


Case 1370 Diesel, Gear, 20.8x38 Tires, Cab w/AC, 1000-540 PTO (W3429)

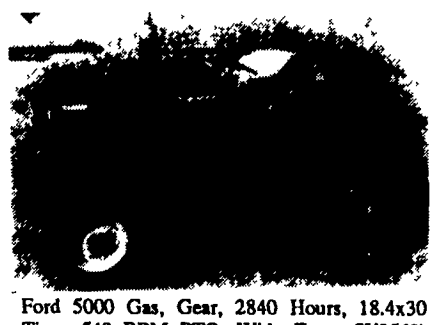
IH F966 Diesel, 16 Spd. w/TA, 18.4x38 Tires, 115 HP, Excellent Condition (W3581)



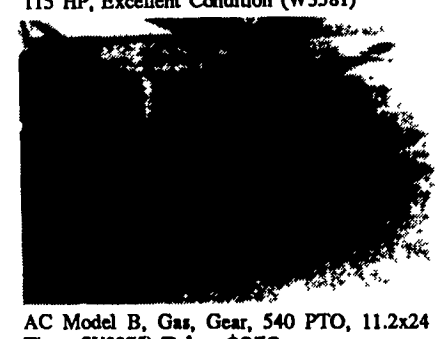
White 4-150, 4-Wheel Drive, CAT Engine Cab w/Air & Heat, 1000 RPM PTO (W3295)



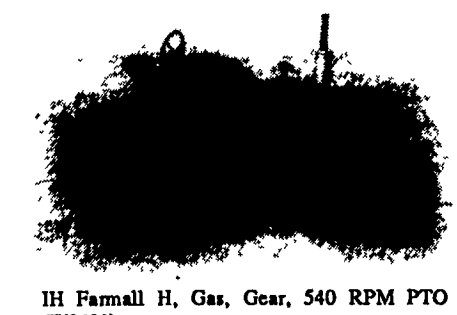
IH F1066, Diesel, Gear, T/A, 540/1000 PTO, 20.8x38, 88, Good Mechanically (W1715)



Ford 5000 Gas, Gear, 2840 Hours, 18.4x30 Tires, 540 RPM PTO, Wide Front (W3562)

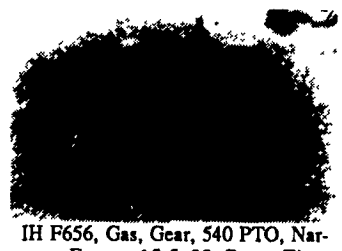


AC Model B, Gas, Gear, 540 PTO, 11.2x24 Tires, (W3275) **Price $850**

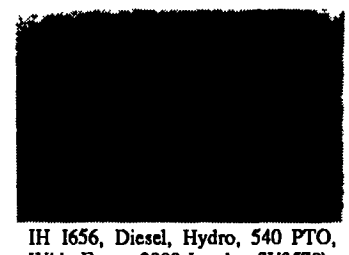


IH Farmall H, Gas, Gear, 540 RPM PTO (W3421)

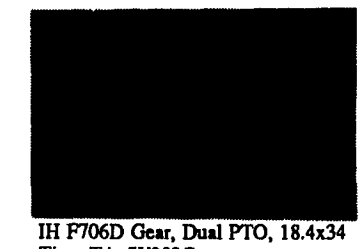
IH F400 Gas, Gear (W3807)



IH F656, Gas, Gear, 540 PTO, Narrow Front, 15.5x38 Rear Tires (W3615)

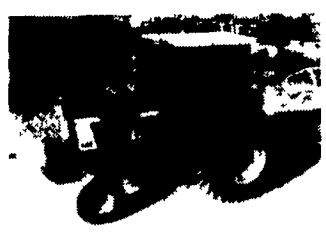


IH I656, Diesel, Hydro, 540 PTO, Wide Front, 2000 Loader (W3578)



IH F706D Gear, Dual PTO, 18.4x34 Tires TA (W2925)

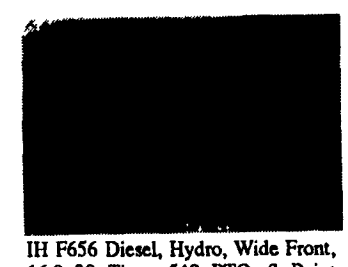
IH F1066 Diesel, Gear, 18.4x38 Tires (New), 2 Valves, 3 Point Hitch (W3806)



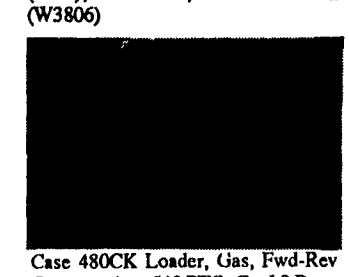
III F1066 Diesel, Gear, 20 8x38 & 10 00x16 Tires, 2 Valves, 540/1000 PTO, Year-A-Round Cab (W3784)

IH 464 Gas, Gear, 540 RPM PTO, 6:00x16 & 13.6x28 Tires, 3 Point Hitch (W3850)

Case 1835B Uniloader, Diesel, Hydro, 10.00x16.5 Tires, 795 Hours (W3827)



IH F656 Diesel, Hydro, Wide Front, 16.9x30 Tires, 540 PTO, 3 Point Hitch (W3369)



Case 480CK Loader, Gas, Fwd-Rev Transmission, 540 PTO, Cat I 3 Point Hitch, 13x24 Tires, 60" Material Bucket, 2 Lever Loader Control (W3871)

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IH 1460 Combine, Diesel, Hydro, Cab w/Air & Heat, 30.5x32 & 18.4x16.1 Tires, Auto Header Control, Monitor (U3076)

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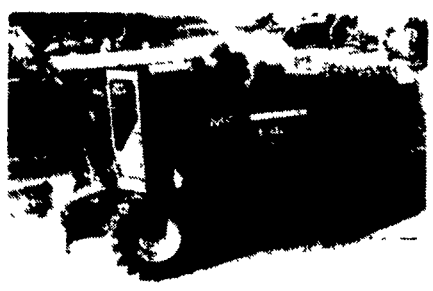

MF 540 Combine, Diesel, Gear w/1143 4RN Cornhead & 13' Platform (U3731)

New Idea 705 Diesel, Gear Combine, 13' Platform, 738 Cornhead (U3558)

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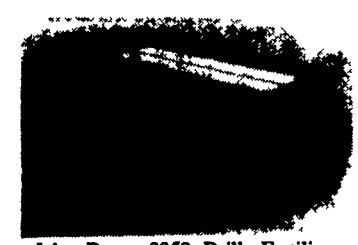
John Deere Model B Grain Drill, 20x7 (Just Traded)



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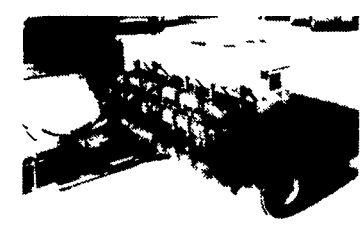

Krause Model 5213 No-Til Drill, 13' Seeding Width

White 5400 Air Planter, 6 Row - 30", No-Til, Monitor (V3676)

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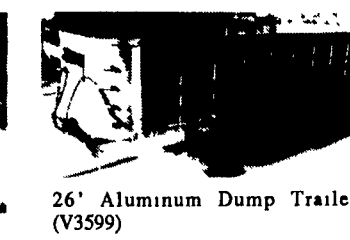

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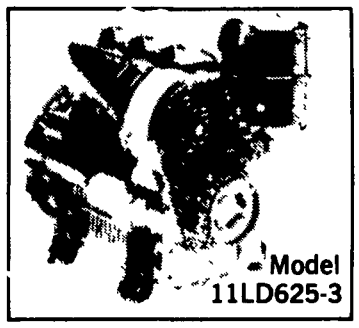

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JD 5B Spring Trip Plow
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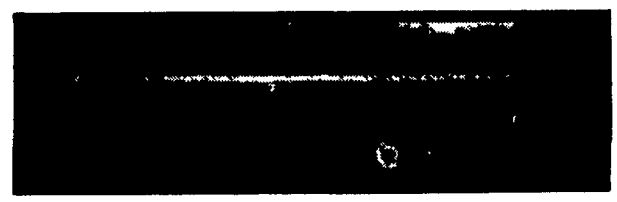

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53rd ANNIVERSARY SALE DAYS

December 27 thru 31, 1988; January 3 thru 13, 1989

OPEN HOUSE on Wednesday, January 4, 1989 Closed Dec. 26, 1988 & Jan. 2, 1989

New challenger in the 90 hp class.

You're looking at the M-F 399, now with five more horsepower at your fingertips. It doesn't look any different. But it does give you the additional power to do 6% more work...or complete a job that much sooner.

Its smooth-running 90 hp* Perkins diesel engine and a near-perfect power-to-weight ratio enable the M-F 399 to handle good-sized implements with ease. It's available with either 2-wheel drive or 4-wheel drive that provides unrivalled traction and maneuverability.

The M-F 399's standard 12-speed synchro-mesh transmission will take on all your field and farmstead needs. You really should take a good, hard look at this 90 hp workhorse. Because five more horsepower makes the M-F 399 a bigger value than ever before.

**Manufacturer's PTO rated*

DO NOT WAIT!
We Sold 8 Already - Contact Us For Low Prices!

We Purchased 65 Rental Tractors From Massey Ferguson With Big Savings!
Contact Us Now For The Best Deal On Tractors With Low Hours At Used Prices.

90 HP 399 2 & 4 WD
80 HP 398 2 WD
70 HP 390 2 WD
35 HP 1045 2 & 4 WD
31 HP 1035 2 & 4 WD
26 HP 1030 2 & 4 WD

USED TRACTORS

90 HP MF 399 2 WD	$18,500
90 HP MF399 4WD	$22,000
80 HP MF398 2WD	$18,100
70 HP MF390 2WD	$15,900
35 HP MF1045 2 WD	$8,650
35 HP MF1045 4WD	$9,950
26 HP MF1030 2WD	$6,700
26 HP MF1030 4WD	$8,000
31 HP MF1035 2WD	$7,600
31 HP MF1035 4WD	$8,900
120 HP MF2705 Cab Air & Heat	$13,800
120 HP MF1135	$7,500
120 HP MF1130	$5,000
135 HP MF1150 Cab	$5,900
80 HP MF1080	$5,700
80 HP MF1080	$3,800
67 HP MF275	$7,200
42 HP MF235	$5,500
68 HP MF Super 90	$1,800
50 HP MF65	$1,700
Industrial 50 Tractor Loader Backhoe	$12,500
82 HP MF285 With New Tires & Engine Overhaul	$9,500

MASSEY-FERGUSON

M.M. WEAVER & SONS, INC.

Leola, PA 17540 Phone: (717) 656-2321

Located 4 miles West of New Holland on Rt 23, 1½ miles Northeast of Leola on the No Groffdale Rd, 1 mile on the right, opposite Groffdale Mennonite Church

53rd ANNIVERSARY

SALE

December 27 thru 31, 1988
January 3 thru 13, 1989

MF TRACTOR HEADQUARTERS

Biggest and Best Sale

Get 7.25% APR M-F financing for 36 months.

You'd expect the biggest values from the Western World's biggest tractor manufacturer, and you won't be disappointed.

We've got the best lineup of compact tractors we've ever offered, from 16 to 35 hp* with 2 or 4-wheel drive and standard or hydrostatic transmissions.

And now you can get them with special 7.25% M-F financing.

Stop in today and drive home your best deal on M-F compact tractors and implements. But hurry, offer ends January 31, 1989.

* Manufacturer's rated engine horsepower.

NEW AND USED IMPLEMENTS

Tag	Brand	Model	Machine	Sale Price
NB3976	MF	676	Blower	$2,200
NB3977	Grimm	S-8	Tedder	$1,620
NB6047	Pequea	710	Tedder	$1,275
NB6048	MF	585	P.T. 5-Bar Rake	$2,350
NB6049	MF	775	Swather Auger Head	$700
NB6053	MF	41	Mower	$2,250
NB6072	J-Bar	L C 4	Finger Wheel Rake	$475
NB6074	J-Bar		Disc Mower	$2,500
UP5153	81 MF	345	Plow	$2,400
UP5153	MF	345	Plow	$2,500
UP5131	IH	63	4 Row Fast Hitch Cultivator	$650
UP5919	MF	620	12' Disc Harrow	$1,800
UP5921	MF	55	2/16 Plow	$250
UP6004	3	Ferg	3-14 Plow	$90
UP3973	Landoll	875	11' Field Cultivator	$2,800
UI5114	Dunham	22	Loader	$1,500
UI6006	MF	110	Spreader	$450
UI5972	MF		6' Rotary Cutter	$250
UI			Tye Drill	$8,500
UI6007			Wagon	$100
UI6079	Zimmerman		Grain Cart	$75
UB5971	MF	54	Blower	$650
UB5435	MF	3	Baler w/Thrower	$550
UB5944	MF	128	Baler w/Thrower	$1,900
UB5111	AC		Forage Wagon	$800
UB5133	Lit. Giant		26' Elevator	$600
UB6005	MF	41	Mower	$750
UB6062	JD	336	Baler	$2,200
NI5189	J-Bar		6 ft. Box Scraper	$300
NI5186	York	75	8 ft. 3 pt. Blade	$1,075
NI5182	MF	1028	48" Box Scraper	$320
NI3965	Woods	M721	6 ft. 3 pt. Rotary Mower	$1,050
NI5184	J-Bar		7 ft. 3 pt. Blade	$295
NI5185	J-Bar		8" HD 3 pt. Blade	$750

Tag	Brand	Model	Machine	Sale Price
NI5187	York	75	7 ft. 3 pt. Blade	$1,000
NI5188	Myer	C-8	8 ft. Snow Plow	$1,400
NI5193	J-Bar		6 ft. 3 pt. Yard Blade	$380
NI5005	J-Bar		Soil Scoop	$175
NI5190	Worksaver	EB6-3	6 ft. 3 pt. Blade	$225
NI5191	Worksaver	RB7582	8 ft. 3 pt. Blade	$700
NI5192	J-Bar	7 ft. 3 pt.	Yard Blade	$295
NI5198	Dunham	30	Loader	$2,750
NI5194	J-Bar		6" 3 Pt. Yard Blade	$380
NI5195	Tr. Blazer		3 pt. Bale Fork	$150
NI5197	Dunham	22	Loader	$3,350
NI3960	Danuser	MD6	Post Driver	$1,650
NI3962	J-Bar	Condor	6 ft. Rotary Cutter	$675
NI3963	Danuser	MS-I	Wood Splitter	$780
NI3969	Brady	5072	6 ft. Flail Chopper	$2,500
NI3976	Woods Dix	M-5-4	5 ft. 3 pt. Rotary Cutter	$900
NI3972	EZ Flow	475	Grain Cart	$6,400
NI3978	EZ Trail	672		$500
NI3979	EZ Trail	872-W		$925
NI3980	EZ Trail	1074		$1,150
NI6040	Woods	RM500	3 ft. Mower	$1,325
NI6054	J-Bar		Condor 6' 3 pt. Rotary Mower	$575
NI6056	Danuser		Post Hole Digger	$675
NI6060	Woods	214	Rotary Cutter	$3,800
NI6075	Woods	RM59	Rotary Cutter	$1,000
NI6076	Woods	RM600	Rotary Cutter	$1,650
NI6077	Woods	Cad. 84	Rotary Cutter	$1,925
NI6078	Woods	Dix M5	Rotary Cutter	$900
NP5200	Sovema	L120	4 ft. Rotavalir	$1,075
NP5108	Sovema	L120	4 ft. Rotavalir	$1,075
NP3970	Dunham	40	12 ft. Culti Packer	$1,725
NP3994	Noble		4-Row Cultivator	$1,700
NP6061	MF	43	2-16 Plow	$800

MASSEY-FERGUSON

M.M. WEAVER & SONS, INC.

Leola, PA 17540 Phone: (717) 656-2321

Located 4 miles West of New Holland on Rt 23, 1½ miles Northeast of Leola on the No Groffdale Rd, 1 mile on the right, opposite Groffdale Mennonite Church

SALES DAYS

53nd ANNIVERSARY

■ PARTS ■ NEW EQUIPMENT ■ GOOD USED EQUIPMENT

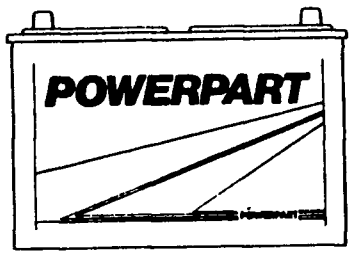
Dec. 27 thru 31, 1988; Jan. 3 thru 13, 1989

Mon. thru Fri. 7 A.M. to 5 P.M.; Sat. 7 A.M. to 12 Noon

All Items Subject To Availability

WINTER SALE ITEMS

NEW! Powerpart Batteries



Check Your Battery Needs Here And SAVE!

BATTERIES & ACCESSORIES

- 60 Mo. Group Size 27, 12V - For Diesel Power (630 Cold Cranking)
  List $70.50 **SALE $59.90**
- 72 Mo. Group Size 24, 12V - For Gas Tractors, Cars, Trucks (650 Cold Cranking)
  List $71.35 **SALE $60.90**

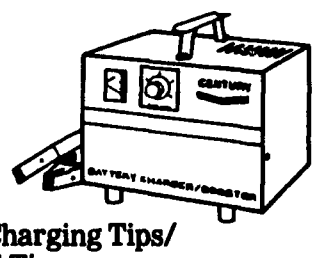
Batteries for all your farm needs, up to a 72 month warranty!

[redacted]

– All Other Batteries In Stock –

20% OFF LIST

BATTERY CHARGERS



PS902 6/2 Amp Manual 6 & 12 Volt **$25.50**

PS904 10/2 Amp Manual 6 & 12 Volt **$34.00**

Features: Product Info/Charging Tips/ Warranty/Retail Tips

STARTING ETHER

- Starts stubborn engines in seconds
- Prolongs Battery Life
- Sprays to 65° below zero

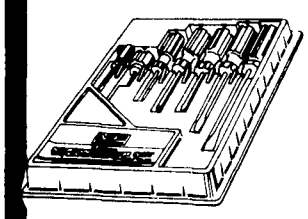
- HOT SHOT, 11 Fl. Oz. ..... SALE 95¢ Ea.
- Case Lot $11.88 LESS 5% $10.83

FPPF POLAR POWER

Cold Weather Diesel Fuel Treatment

8 Fl. Oz. Treats 60 Gal. **$2.50**

SCREWDRIVER SET



The 7 Piece Screwdriver Set. The Set Contains: 4", 6" and 8" Round Blades, No. 1 Phillips, Stubby Screwdriver, Pocket Screwdriver Plus A Plastic Tray. The Blades Are Made From High Grade Chrome Vanadium Steel and Are Precision Cross Ground and Polished. Large Handles Are Made Of High Impact Plastic

SALE $8.25

LUBRICANTS

Selling Hydraulic Fluid Right Off The Trailer!

Offering The Lowest Prices....

[redacted]

UNIVERSAL HYDRAULIC FLUID

PERMATRAN III

Universal extreme pressure transmission & hydraulic fluid.

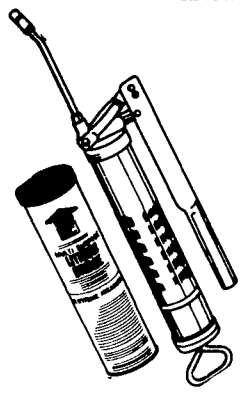
Stock One Oil For All Your Farm Equipment

Lubricants

Permatran III Oil

	SALE	Cost Per Gal.
2½ Gal. Container	$11.72	$4.69
5 Gal. Container	$20.68	$4.14
55 Gal. Container	$220.47	$4.01

Buy 2 Drums & Receive An ADDITIONAL 5% DISCOUNT



GREASE AND GREASE GUNS

	SALE
• Single Tubes	99¢
• 10 Pkg. Grease Cart	$8.60
• 50 Pkg. Grease Cart	$40.85

GREASE GUNS

• Lever Action, 1902-683 M92	$7.52
• Pistol Action 1904-778 M91	$10.89
• Grease Hose	$3.05

MF FILTERS

Lube, Fuel, Air, Hydraulic

Don't fall for look-a-likes - use Massey-Ferguson filters for better & longer engine life.

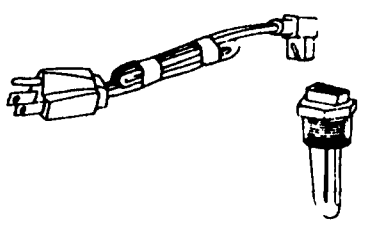
LUBE & FUEL FILTERS

20% OFF All Filters

Case Lots Of 12...*ADD'L. 10% OFF*

BLOCK HEATERS

10% OFF



CHAIN

10% OFF

On 10 Ft. Only

Op... DOOR...

First Prize
Model 8500 Press... Washer

2nd Prize:
MF Model 3070 Toy Brass T...

3rd Prize:
10 Lb. Fire Extinguisher

4th Prize:
MF Cross Pen & Pencil Set

5th Prize:
5 Lb. Fire Extinguisher

6th Prize:
MF Toy Combine

7th Prize:
Pistol Action Grease Gun

8th Prize:
10 Pkg. Grease Cartridge

9th Prize:
5 Lb. Hand Cleaner

POWERPAR... CHEMICAL...

Work faster and easier with Powerpart Chemicals. Clean, lubricate, seal and condition with our full line of chemic... For field, shop and home u...

20% OFF...

Full Line Of G... Comp...

Frees All Rusted, Fro...

POWERPART P...

Put On A Fresh Look W... Our Powerpart Paint Available In Quarts, Ga... And Aerosol Cans.

GRIT HAND...

Get a FREE 16 oz. ... of POWERPART Gri... when you purchase ... pump container. Ha... Grime - Nice to you... Hands!

$...

10% OFF ON ALL OTHER PARTS

Sold Over Counter From Dec. 27 to Jan. 13, 1989

★ *Cash And Carry* ★

MASSEY-FERGUSON

M. M. WEAV...

LEOLA, PENNA. 17540

PHONE: 717-656-2321

OPEN HOUSE

SPECIAL 1 DAY ONLY - WEDNESDAY, JANUARY 4, 1989

LUNCH WILL BE SERVED 11-2

Maintenance and Operation Seminars
10:30 A.M. Tractors
2:00 P.M. Combines

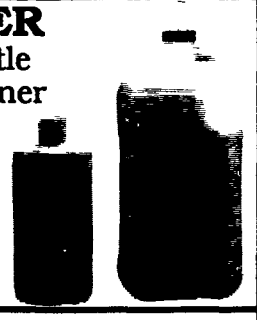
★ Representatives from various manufacturers will be on hand to demonstrate products and answer questions
★ Join us during Open House for Fun & Fellowship

House
PRIZES

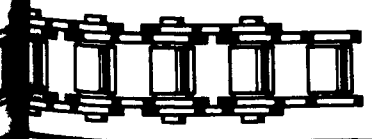
gular Price
ity Chemicals At
ve Prices
r Corroded Lugs & Bolts

MASSEY FERGUSON PAINT
Increases The Resale Value Of Your Machine With Massey Ferguson Paint!
20% OFF Regular Price

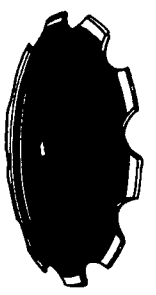
LEANER
eze Bottle
nd Cleaner
gallon
n
.99



ose The Quality, Price & Size
hain & Links You Need. We
Domestic Chain.



Disc Blades

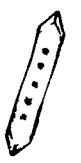


- High concavity for greater draft and more soil action
- Plain and notched styles for various field conditions
- Center hole sizes available to fit non Massey-Ferguson machines

Number	Dia	Disc.	Shaft Sizes	SALE
• PS 45049	22"	¼ " Plain	1 1/8 Sq. x 1¼ Sq.	$20.82
• PS 45050	22"	¼ " Notched	1¼ Sq. x 1½ Rd.	$19.36
• PS 45045	22"	6 Plain	1¼ Sq. x 1½ Rd.	$20.12
• PS 41045	22"	6 Plain	1 1/8 x 1¼ Sq.	$20.12
• PS 41015	18"	7 Ga. Plain	1 1/8 x 1¼ Sq.	$10.23
• PS 46063	24"	¼ " Ga. Plain	1½ Sq. x 1¼ Rd.	$28.19

We Have Other Sizes
Check For Your Needs And Prices

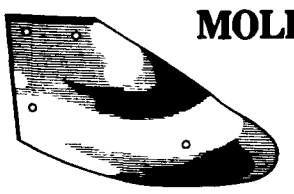
WEATHERED TWISTED CHISEL POINTS



- Heat treated, tumbled & varnished
- ½" thick for longer wear
- Fits 2¼" centers for 7/16" plow bolts

DF4995R	3x½ x22 R.H.	$6.50
DF5995L	3x½ x22 L.H.	$6.50

TILLAGE PARTS SALE



MOLDBOARD PLOW PARTS

Direct Shipment From Manufacturer To Us Allows For These LOW PRICES

There Is A Difference: 3 Layers Of Steel For:
• LONGER LIFE • SHOCK RESISTANT • LESS CRACKING

16 INCH 4 BOLT PLOW SHARES

	O.E.M.	SALE
• 475-167 M1 Reg. Share Long	$12.77	$8.07
• 475-715 M1 Heavy Duty Short	$20.79	$9.22
• 475-716 M1 Heavy Duty Long	$23.11	$9.29
• 661-869 M91 Trashboard	$38.18	$11.70
• 1073-594 M1 Shin	$11.81	$7.65

MOLDBOARDS

• 660-022 M91 14"	$129.67	$51.02
• 660-206 M91 16"	$118.66	$53.20

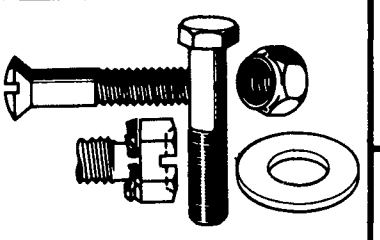
ALL OTHER PLOW SHARES, LANDSLIDES, SHINS AND MOLD BOARDS NOT UNDER DIRECT SHIP PROGRAM ARE 20% LESS

Plus The Best Warranty In The Industry!

GLENCOE 20" COULTER DISC

PS4422 ..... $17.55

HARDWARE
$1.50
Per Lb.



Save! Buy Per Pound Or Piece.

Grade 5 Chrome Plated Hardware Available By The Pound Or Packaged.

FIRE EXTINGUISHERS

Don't be caught without protection!

Install reliable Massey-Ferguson Fire Extinguishers in your home, the barn, animal pens, on tractors and combines. They're made of Heavy duty carbon steel with non-corrosive parts, inside and out, and operate with positive on-off squeeze grip; feature easy reading waterproof gauges.

	List	SALE
2004A91	$24.24	$21.82
20005A92	$36.21	$32.59
20006A91	$57.03	$51.33

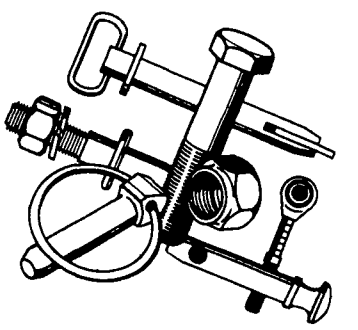
10% OFF REGULAR PRICE

★ Bring Your Own Containers Get Bulk Price
"BUY QUALITY"

QUAKER STATE MOTOR OIL

HARDWARE AND HITCH PINS

Grade 5 Hardware
$1.50 Lb.



HITCH PINS w/RETAINER CHAIN

Number	Length	Dia.	SALE
30-151E91	6¼ "	3/4"	$4.26
30-152E91	6¼ "	7/8"	$5.64

HITCH PINS W/PRESTO PIN

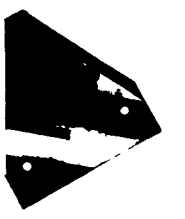
30-281E1	6¼ "	3/4"	$2.33
30-282E1	6¼ "	7/8"	$2.96

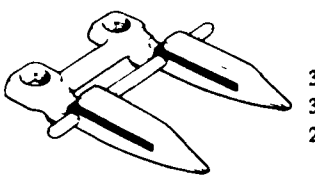
CUTTER BAR PARTS

It Takes Two Sharp Edges To Cut
Combine Guards!

CUTTER BAR PARTS & SECTIONS

Number	List	SALE
• PS 412132 Rigid	$1.14	63¢
• PS 112001 Floating	$1.12	58¢
• PS 623011 Power Cut	$1.28	$1.00





GUARDS

30-031E1 NH Haybine	$5 99	$5.39
30-039E1 Floating	$6.16	$5.54
228-392 M1 Rigid	$8.38	$7.54

BOOSTER CABLES

- 12 Ft., 6 Ga., PS000912
  SALE **$15.99**
- 16 Ft., 4 Ga., PS000914
  SALE **$22.95**

Features: Product Info/Charging Tips/ Retail Tips

R & SONS, INC.

d: 4 miles west of New Holland on Route 23, one and
f miles northeast of Leola, on the North Groffdale
one mile on the right, opposite Groffdale Mennonite

M.M. WEAVER & SONS, INC.

53rd ANNIVERSARY SALE DAYS

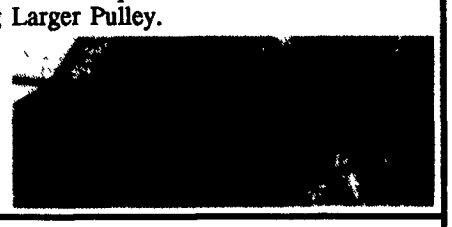
December 27 thru 31, 1988; January 3 thru 13, 1989

OPEN HOUSE on Wednesday, January 4, 1989

NEW COMBINE PARTS & ATTACHMENTS AT DISCOUNT PRICES

Increase Knife Sickle Speed 100 Cuts Per Minute By Installing Larger Pulley.

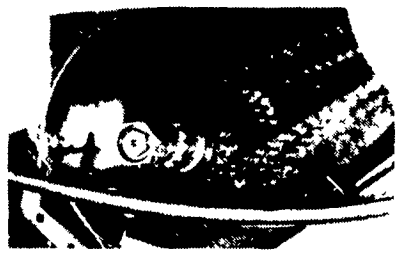
List Price $61.00
SALE
$30.00



Slow Cylinder Speed Kit For Harvesting Beans and Sunflower with 750, 760, 850, 860 Combines

List $226

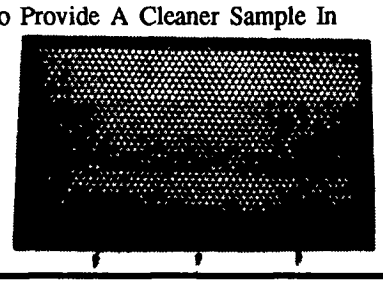
SALE
$20



Round Hole Sieve Can Be Placed In Front Of Lower Sieve To Provide A Cleaner Sample In Grain Tank

List $84.00

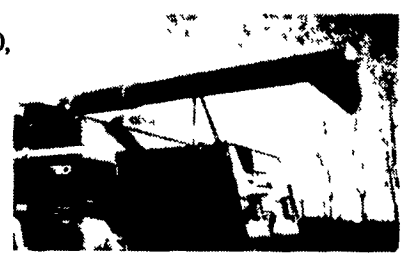
SALE
$75



Unloader Pipe Extensions Are Especially Recommended For Use With Wide Headers And Extra Heights For Loading Trucks For 750, 760, 850, 860 Combines

List $391

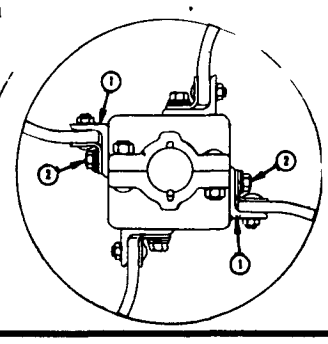
SALE
$200



Difficult Feeding Conditions May Warrant The Installation Of Additional Paddle Assemblies Or Keep Extra On Hand In Case Of Rock Damage For 760, 860 Combines

Parts List $104.00

SALE
$35.80



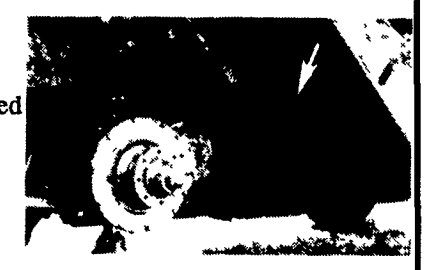
Tall Corn Dividers Reduce Chance Of Losing Corn Over The Sides Of Corn Head

List $53.00

SALE
$15.00

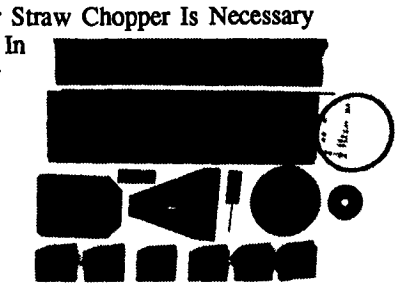
Complete Fanning Mill Screen Are Used To Prevent Large Corn Leaves From Being Pulled Into Cleaning Fan

List $86.75
SALE
$40



Slow Down Kit For Straw Chopper Is Necessary If Chopper Is Used In Corn. Available For 750, 760, 850, 860 Combine

List $426.00
SALE
$300



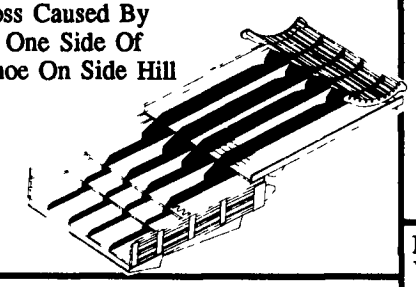
Engine Pre Cleaner Reduces Maintenance On The Dry Air Cleaner Element

List $158
SALE
$85

Used To Prevent Seed Loss Caused By Material Sliding Over To One Side Of Grain Pan And Shaker Shoe On Side Hill Operation

List $82

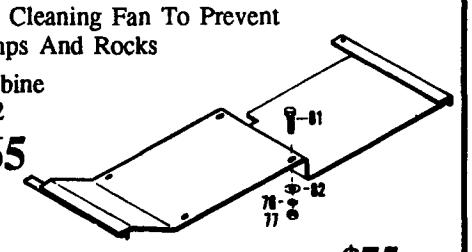
SALE
$25



Bottom Shields For Cleaning Fan To Prevent Damage From Stumps And Rocks

750-850 Combine
List $112
SALE **$65**

760-860 Combine List $114 SALE **$75**



Electro Header Clutch Allows The Operator On A 510 or 550 Combine To Stop Header Quickly

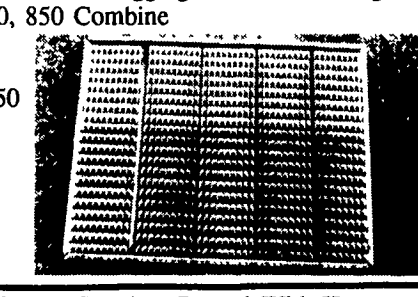
List $644

SALE
$325

Wide Spacing Adjustable Sieve Do A Better Job Of Cleaning Without Plugging When Harvesting. Corn For 750, 850 Combine

List $267.50

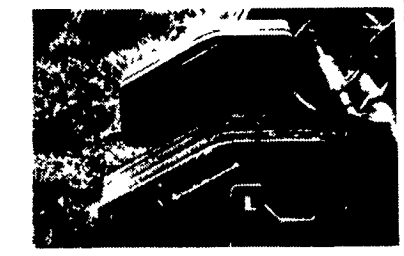
SALE
$120



To Maintain Proper Steering Control With Heavy Heads Add Weights On Rear Of Combine 510/550 Weight Frame

List $107
SALE **$75**

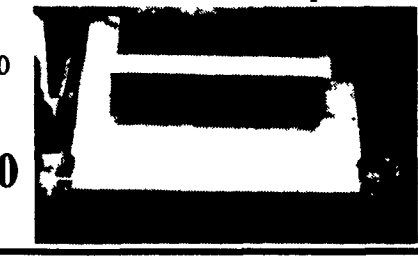
Weights
List $60
SALE **$45**



Complete New Paddle Elevator For 860 Combine Includes All Elevator Paddles & Fibre Slip Clutch

List $4,000

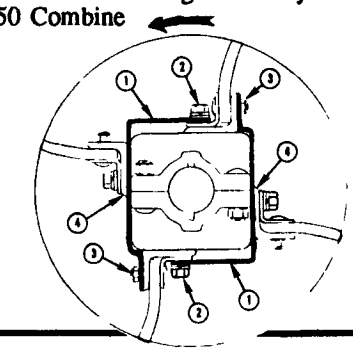
SALE
$2,500



Paddle Elevator Shields Assist Feeding In Weedy Or Viny Growth 750, 850 Combine Per Set

List $90

SALE
$40



USED COMBINES

Tag	Year	Brand	Model	Sale Price
UC4908	74	MF	510 Combine	$3,500
UC5117	70	MF	510 Combine	$2,800
UC4821	74	MF	760 Combine	$7,500
UC4893	77	MF	750 Combine	$14,000
UC4928	77	MF	750 Combine	$12,000
UC5107	75	MF	750 Combine	$7,500
UC5173	77	MF	750 Combine	$1,200
UC3144	80	NI	801 Combine	$17,500
UC4935	78	JD	7700 Combine	$9,000
UC5174	78	MF	760 Combine	$14,000
UC5151	69	MF	510 Combine	$3,500
UC5476	75		510 Combine	$2,000
UC3085	74		760 Combine	$7,500
UC5560	78	MF	760 Combine	$14,000
UC5931	73	MF	760 Combine	$10,000
UC5958	80	MF	550 Combine	$12,500
UC5961	66	Case	660 Combine	$2,000

Tag	Year	Brand	Model	Sale Price
UC5952	80	MF	760 Combine	$20,000
UC5934	73	MF	510 Combine	$8,500
UC4908	73	MF	510 Combine	$5,500
UC5985	76	Gleaner	F2 Combine	$3,500
UC5930	77	MF	760 Combine	$5,500
UC5994	72	MF	510 Combine	$1,900
UC4825	84	MF	850 Combine	$25,000
UC	84	MF	850 Combine	$25,000
UC5999	81	MF	540 Combine	$12,000
UC	77	MF	760 Combine	$10,500
UC6001	70	MF	410 Combine	$2,500
UC6063	75	JD	4400 Combine	$2,800
UC6064	75	MF	750 Combine	$7,500
UC6066	78	MF	760 Combine	$12,000
UC6071	79	MF	760 Combine	$15,000
UC6067	76	MF	300D Combine SOLD	$5,500

MASSEY-FERGUSON

M.M. WEAVER & SONS, INC.

Leola, PA 17540 Phone: (717) 656-2321

Located 4 miles West of New Holland on Rt 23 1½ miles Northeast of Leola on the No Groffdale Rd 1 mile on the right, opposite Groffdale Mennonite Church

STITZEL FARM EQUIPMENT, INC.

East Windsor St. & Krick Lane — Hamburg, PA 19526

Phone Bus. 215-562-8377 — Home 215-562-5740

Wishing all of our customers and friends a happy, healthy, prosperous New Year

COMBINES w/Good Selection Of Heads: We have 16 late model, very nice, local, one-owner combines.

1981 NH TR85, 4WD, V8, Hydro, full equipment.

M.F. (82) 850 4 WD Hydro w/16' Flex + 1163 C.H., 900 hrs., real nice, $47,500 $45,500.

JD 8820 fully eq. w/Turbo Hydro w/Reverse feeder house and chopper $27,500; JD 7720 and 6620 available with 4WD.

JD '81 Model, 6620 LL, w/215 flex, real nice.

JD '81 Model 6620 LL w/216 Flex, very nice.

JD (81) 6620 Side Hill w/700 hrs., looks like new.

1976 JD 7700, real nice.

JD '81, 7720, Cab, Air, Turbo, Hydro w/220 Flex.

JD 6620 LL, 1 owner, nice, $27,500 $25,500.

JD (81) 4420 C.A., Real Nice, 1100 Hrs.

(75) 6600 D. Rotary Screen good.

JD 3300 gas Rotary Screen w/10' Grain

JD 3300 Gas w/10' Grain.

1977 JD 4400 D., C.A. w/23x26 tires, $11,500.

MF (84) 550 Cab, Air, Hydro w/13' Flex & 1143 C.H.

MF 550 D., C.A., low hrs.

MF (76) 750 Cab, Air, Hydro Gleaner F2 D, C.A. w/13' Grain & 438 Corn, Nice.

Gleaner F2 D C.A. w/13' Grain.

(77) IH 815 D., C.A. Hydro, 4WD w/810 Grain & 4R Corn.

IH D 915 C.A. Hydro w/863 & 810 Grain.

IH (77) 715 D. C.A. w/810 Grain & 844 Corn Heads; IH 715 Gas, C.A. w/810 13' Grain; NH TR70 C.A. Hydro w/Cat Dsl.

IH 715 Gas w/Cab & 810 grain for $4,850; MF 300 Gas w/Cab & 2 QT Heads, good condition; IH 80 & 82 Pull Combine; (75) 510 D. Hydro w/Cab; N H. TR70 C.A. Hydro; Gleaner (76) FD. w/C.A.-Nice; IH 105 w/ Cab & 10' Grain, nice; IH 205 Combine w/Cab & 10' Grain.

NI 709 Uni, CA, Hydro, 4WD, N.I. 702 & 705 Uni-Systems w/Full Eq.; NI 702 Uni w/727 Bed, 729A Sheller & C.H.; NI 702 D. w/727 bed & 3R C.H.; 767 Super Chopper; NI 727 Husking Beds; NI 737 Husking Beds; N.I. 729A Shellers; NI Uni 740 Feeder House.

CORNHEADS: JD 844LP; J.D. 843 LP, 443 LP, 643 LP, 643, 444 LP, 444, 443, 344, 343, 244, 243; 205 (40) 234, 435; JD 454 Row Crop Head.

I.H. 863; 844; 843; 833; 744; 327, 3R; 227.

A.C. GL 440, C440, A438 Black, A630 Black, L2, M430, Gleaner C430 C.H., F335.

M.F. 1163, 1144, 1143, 63, 44, 33, 43, 24, 222, 422, 44—$900 & Up.

N.I. 846 N 6R C.H.; 738, 743, 730, 734, 725, 723, 762, 763; Ford 4-30"; Case (404); NH 962 4RW, 4RN, 6RN Corn Head.

NH 962 N3 & 962 W4; NH 924, 4RW; White 706N; Oliver White 4N; White 703.

GRAIN HEADS: J.D. Used 12'-15' Incl. 213 & 215 Flex & (2) JD 216 Flex; 213, 215 Rigid.

I.H. 810-13' Thru 17.5' w/ Reg. or Floating.

M.F. 10'-16' Reg. or Floating Bar; A.C. E10'.

N.I. 713 Flex Or Rigid.

NH 972, 20' Flex; NH 960, 13'; E 10' Grain Head.

TRACTORS:

J.D. New 2950 w/R.G.; Used JD 4650 C.A. P.S., MFWD; JD 4450 ROPS, PS, MFWD, 500 Hrs., Like New; JD 4250 C.A. P.S. MFWD; JD 2950 MFWD w/Rollguard; JD 2350 w/146 Ldr., 350 hrs.; JD 4840 CA PS, 18x42, 600 Hrs., One Owner; (3) JD 4840's C.A. P.S. Duals & Quick Hitch; JD (82) 4440 C.A. PS; (82) JD 4240 C.A. QR; JD 4240 C.A.P.S.; JD 4040 Fender QR 18x38; JD 4040 P.S., ROPS; JD 2940 MFWD, real nice; JD 2940 w/Hi Lo, 2 Post R/G, $12,500; (82) JD 2640 w/Reverser & ROPS; JD (82) 2440 Full Eq., w/146 Ldr. & Grapple; JD 2040; 1977 JD 4230 C.A., Q.R., sharp, 2200 hrs.; 2940 w/R.G.; 8630 4 WD C.A.Q.R., Full EQ. w/ Duals; 4630 SR w/Cab & Air; JD 4630, ROPS, Syncro Range NICE; JD 4430, FWD, CAB, Air, Power Shift; JD 4430 C.A., QR, Originals; JD 4430 C.A.Q.R., 20.8x38; JD 4430 C.A.Q.R., 20.8x38 Radials; JD 4430, QR, cab front wheel assist; 4230 C.A.Q.R.; JD 4230 QR Fender; JD 4030 w/creeper trans.; 1530 w/Hi-Lo; (70) 5020 - $5,900; JD 4320 4WD, Real Nice; JD (8) 4020's 1964-1972; JD 4020 S.C., WFE, JD 4020 SC, Power Shift; 2 Hydraulics, Diff. Lock; 4020 S.C., W.F.E.; 4020 P.S., S.C., W.F.E.; 4020 w/58 Loader; JD (72) 3020 Tricycle Dsl.; JD 3020 D, PS, 2 Valves; JD 3020 Dsl., WF; JD 3020 D Tricycle; JD 3020 D, WFE; 2520 Dsl.; JD 3020 G.; JD 2020 Gas; JD 4520 R.G. & cooler w/30.5x32 tires; JD 4010 D, WF Nice; JD 4010 D. Tricycle, Real Good; JD 4010 D. WFE, Real Nice; JD 4010 Dsl., WFE; JD 430 Utility w/3 pt.; JD 3010 D., Tricycle; JD 2510 Dsl.; JD 2010 Tricycle Gas; JD 720 D., Tricycle; JD 620 Gas.

I.H. 3288 C A.; I.H. (81) 1086 C.A., Western Interior, Full Eq., Real Nice; I.H. 1086 CA w/Dual Whls., original; 1586 w/R.G.; IH 1486 C.A. Full Equipment; IH 1086 ROPS, w/ Enclosure Very Nice; IH 986 C.A. Duals, Nice; 886 w/R.G.; 1800 Hrs.; F686 Original; F686, Good; F 1066 w/Cab; IH 1066 Cab & Duals; 1568 C.A. - 1,000 Hrs., Real Nice; 1566 w/Cab; 1976 Model 1566 CA, Black Stripe; 1466 w/Cab; IH 1466 w/ Cab & Duals, Original; IH F1466 Fender, Original, F1066 C.A., 1066 Hydro - Original, $8,350; 966 Original; F966 WFE, 3 Pt., New TA & 38" Rubber; F766 w/Factory Cab; IH 684 Row Crop Utility; IH 584; 574 D. w/Loader; IH 574 D, NICE; IH 544 Utility Gas, Nice; Farmall 544 Gas, WF, 3 pt.; IH 544 U. Gas Hydro; IH 444 U. Gas w/IH 1501 Loader; IH 2504 Utility Gas, P. Steering; IH 404 Utility Gas w/ Wagner Ldr.; F504 Gas, WF, 3 PT; F1456 Fender w/Duals; 1256 w/Cab, Nice; F756 Dsl. WF 3PT 18x38, Real Nice; 756 G Hi-Clear; 656 Gas & Diesel; 656 D. Hi-Clear; 1206, Nice; Il SOLD Standard; 706 D. - W.F.E. - 3 pt. - $5,000; F706D., WFE, 3 pt.; F504 Gas, WF, 3PT; F560 D., WF, FH; F560 Gas, WF, Nice; F560 D w/Fast Hitch; F 460 Gas, WF, FH; IH 460 U. Gas, FH, PS & Shuttle; IH 350 Utility w/Ldr. as is; Farmall 300 Tricycle w/PS & FH; Farmall 200; Farmall M, H, Tractors; Super A w/Sickle Mower, Plow & Cultivator; Farmall Super A w/Wagner Hyd. Loader w/Blade & Plow.

New AC 8050 C.A., P.S., rad. tires, fully eq.

A.C. New AC 6080; Used AC 6080 w/ROPS; AC 8010 C.A. 20 SP MFWD w/ Westendorf 64 Ldr.; AC 7080 CA 20.8x38 Duals; 7040 C.A.P.S., Like New; AC 7000 C.A., PS, Original; AC 200 D original; AC 220, real nice; XT190D. w/3 pt.; AC 185 D, WFE, Sharp; AC D17 Series IV D. 3 Pt., WFE; A SOLD 5; AC WD 45, WF.

CASE IH 3294 CA MFWD, Radials, Real Nice; CASE Case 1594, P. Shift, low hrs., like new; Case 2590, CA, PS, 1600 hours; 1370 C.A.P.S. Factory Duals; 2090 CAPS, $14,800; Case 1070 CA, Real Good; Case 870 Original; 930D, WF 3 pt.; Case 930 SD; 830 Gas, WF, 3 pt.; Case 995 Dsl. w/Ldr.

MF 265; MF 1135 CAMP 18x38; MF 1085; MF 165 U. Gas; MF 165D w/ Freeman Ldr.; MF 135 Gas w/PS; MF 1130; MF 65 D; MF SOLD S, As Is.

FORD TW10 DP & 20.8x38 Tires; Ford 9700 C.A. Dual Power; Ford 7600 w/ ROPS & Dual Power; Ford 6700 w/Dual Power & Ldr.; Ford 6000 Dsl.; Ford 5000 dsl., WFE, 8SP, Original; Ford 4000 Dsl., original paint; Ford 4000 Gas; Ford 3000 w/PS w/Ford 772 Ldr.; County Super 6, 4WD w/3 pt.; Ford 600; Ford 8N w/ Side Mtd. Mower.

WHITE 4-150 CA Duals; WHITE 285 ROPS 500 Hrs., Like New; WHITE 2-60 ROPS w/1510 Ldr.; White 2-70, ROPS, as is.

OLIVER 1855 w/New Tires; Oliver 2050; 1950 T w/ Cab - $5,975; Oliver 1850 D., WFE, Hydro Power; 1650 D., WF w/3SP; Oliver 1650 Tricycle Dsl.; Oliver 1250 w/P.S.; Oliver 880 Dsl. Tricycle.

Tractors & Equip. Just Traded:

Case 2470; Oliver 1550 D., WF; Farmall 340; IH 800, 10B Plow; Ford 4B Plow; Ford 530 Baler; McConnell Wing Fold Harrow; IH 990 Haybine; IH 490, 28' Folding Disk; IH FH 2R Cultivator; Arps 3 Pt. Backhoe; NH 326 Baler; AC 7000 CAPS; Farmall 140 w/Cultivator; Prentice #160 Knuckle Boom on Trailer; Brillion 7' Chisel; JD 430 Utility; AC 200 w/ Loader; JD 400 Rotary Hoe; Miller 12' Offset Disk; JD 780 Push Spreader; JD 2700, 7B Onland Plow; New NI 325, 2R 30" Picker w/12 Roll Bed; JD 4040, CA, PS; Lilliston 9860 No Till Drill, 3 Yrs. Old; JD 544 Pay Loader; Dual 5000 side dump wagon; 1983 Butler Batch Dryer.

CORNPICKERS: (2) (Used) 325-2RN w/12 Roll Husker, Shellers & Super Shellers; NI 325 w/8 Roll Bed; (4) (Used) 324-2RW w/12 Roll Huskers; Shellers & Super Shellers; (3) NI 323, 1R Picker, $1950-$2250; NI 323 $1275; NI 323 $1675.

New N.I. 329 Super Sheller List $6700.00, Special $3,550; N.I. 330 - 3 RN w/ Supershellers; 325 2RN w/Grinder.

PICKER: NI 319 Mtd.; JD 43 PTO Sheller.

FORAGE EQUIP.: Forage Harvesters w/Choice of Heads.

JD 5820 C.A. Hydro, 4WD w/4R 30" Silage, 443 Snapper & 7' Hay PU; JD 5460, C.A. Hydro 4WD, 3RN & Hay PU.

JD 3960 w/2 Heads; Burnt JD 3960 Chopper w/2R Corn Head; JD 38 Chopper w/ Direct Cut Head.

N.H 892 w/Elec. Controls, 2R & Hay PU; NH 782 w/ heads; NH 770 w/heads; NH 718 w/822 C.H.; NH Super 717 w/1R C.H. $975; NH 707 Chopper w/1R Corn Head; NH open end hay pickup heads, 6'; NH 890 w/2 or 3R C.H.; NH 890, 2R Super Head; NH 890 direct cut head.

IH 650 Chopper w/2RN & Hay PU; Fox Super D w/Cab 3R C.H. & PU.

Gehl 1200 Chopper w/Elec. Controls, 3 RW C.H. & Hay PU.; Gehl CB 1200 Chopper.

(2) GEHL 600 w/2R.

Hesston 7020 Chopper w/1R & Hay PU.

FORAGE HEADS: N.H. 717-S Direct-Cut for 770 & S717; 890 EN-2RN Snapper; 770-1R Snapper; (3) NH 822 Silage; 1, 2, & 3R Silage; NH 880W PU; NH 880 S Direct Cut; NH 890 N3 3R Corn; Incomplete.

J.D. 1, 2 & 3R Snapper; 2 & 3 R Silage, New & Used 5½' Hay Pickups; JD 243 C.H. w/adapter plate; 3 JD C.H. harvester adapter plates; JD 8' Direct Cut; JD 4RW Stalker Head.

IH Direct Cut Head for 650; NI 766 Hay PU.

FOX 984, 4R Silage; 2 CSB 2RW - Snapper; 263-2 RW; 109 Hay Pickup.

BLOWERS: NH 30; JD 66.

FLAIL CHOPPERS: (2) Used NH 38; Bearcat 72A; JD 16A; Bush Hog 4RW Stalk Shredder; MC 6R Stalk Shredder.

SILAGE WAGONS: JD 716 Tandem Axle w/Roof; Danco Tandem Axle w/ Roof; Gehl 810 Forage Box; Hesston #10 Stack Wagon; Blazer Silage Dump Station.

HAY EQ.: BALERS: New NI 555 w/560 Thrower, List Price $12,881, Sale Price $7,500; JD 337 w/ Thrower, used 2 seasons; JD 466; JD 336 w/ Thro SOLD al Nice; JD 336 Baler w/Thrower; JD 327 Baler w/Thrower.

NH 320 w/75 Ejector, Real Nice; NH 320 Baler w/70 Thrower, NICE; NH 315 w/Chute, $2,900; NH 315 w/70 Thrower; NH 315 w/ Thrower; NH 282 No Thrower; NH 275 w/53 Thrower; NH 268 w/53 Thrower; IH 445 w/ Thrower; IH 430 w/#10 T; N.I. 456 Round; N.H. 851 Rd.; NH 846 Rd.; Hesston 5400 Round; MF 124 w/ Thrower; NH 851 Rd.; NH 850 Rd.

RAKES: JD 660 w/Dolly Whl.; JD 640 w/Dolly Wheel; IH 35 Hyd. Drive.

IH 14; Deutz Fahr 4 Star Tedder; Lely 2 Star Tedder; Pequea Hay Tedder; NH 256, 258; 55.

HAYBINES: (1982) NH 1495 D. C.A. Hydro, 800 Hrs.; NH 1495 D Hydro w/Half Cab; NH 1495 Gas SP; (2) 495; 489, Like New; (3) 489; 478; (2) 477; (2) NH 467; (2) JD 1219; JD 1207; NI 509, 9'; Gehl 1080 Discbine.

New MC 7E; (2) M.C. 7E; MC 9E Rotary Scythe; NI 272 Cutditioners; N.H. 1034 Stack Wagon; NH 1010 Bale Wagon; NH 1010 Bale Wagon, good condition; NH #90 Bale Mover, (3) 16' Wooden Hay Wagons

PLANTERS: New NI Kinze 6R No-till, List $15,688, SALE $9,995, JD 7000, 12R Front SOLD Dry Fert. w/No-till, full equipment; JD 7000, 6R Conserv. Dry Fert.; JD 7000, 6R Dry Fert., Fully Equipped; JD 7000 4R Liq.; (Used) 7000-6R Cons. Liquid w/No Till; 7000-4R Dry & Liquid; JD 4R Cons. w/ Dry Fert. & Insect.; (2) JD 7000, 4R Dry Fert., Full Equipment; IH 800, 8RN End Transport w/Dry Fert.; IH 800, 6R Dry Fert.; IH 56, 4R; Hiniker 4R Econotill, No-till, w/ Kinze Units; IH 56, 2R Pull Type w/Dry Fert.

DRILLS: NEW JD 16x8 DD Drill; JD 8350, 23x7 w/ Fert. & Seed; JD 8300 21x7 DD, Excellent; JD 8300, 21x7 DD Drill; JD FBB 17x7 Drill.

Tye 13' No-Till; SOLD 8' Seeder.

GRINDERS/MIXERS: Owatonna 450 w/Scales; Bearcat 1250; Gehl 115; NH 352; Farmhand 850 Tandem Axle; IH 1150.

TILLAGE EQ PLOWS JD 3x16 Trip, Howard 4X Para Plow, IH 450 3-4X 3 Pt Spring Reset, Ford 142, 4X, IH 710 4X Semi Spring Reset, Ford 130, 4x16, 3 Pt., JD 5X 16" Semi Mount Plow, JD 845 4X SOLD lover; IH 720, 5X Toggle Trip, OLIVER 546- 5x16 Spring Reset, Oliver 5-16 Semi, White 508, 6X Reset, JD 2800, 6B Semi, JD 2700 6X Reset, I H 700- 6x16 Spring Reset, JD 3200, 6X Reset, Oliver 6X Reset, (2) JD 945, 5X Semi Rollover; IH 155 5X Rollover Onland, (2) JD 2800S, 7X, JD 2800, 7X Onland, J D 7X, IH 710, 7X Onland, M F 6X On Land Hitch, IH 800 10X Flex Spring Reset

CHISEL PLOWS. IH 5500, 7' Chisel Plow, Like New, Brillion 10', New AC 1600, 12' Pull, JD 1600, 12' Chisel, New Lilliston 13' Chisel, Bush Hog 12', I H 55-12', (2) 7' 3 pt., Bush Hog 10' w/Buster Bar, Brillion 12', w/Buster Bar, Tibben 12' Auto Reset Ripper

DISCS, I SOLD , JD 110, White 252 12 Disk w/New Blades, Bush Hog 11' Offset, JD 1630, 16' Heavy Disk, Taylorway 16' Rock Flex Disk w/Harrow, Taylorway 16' Rock Flex, Manual Fold, JD 230, 21' Hyd Fold, JD 235, 25' Hyd Fold Disk, IH 8' Transport, IH 470 18' Wing Disk, JD AW 13' Disk w/Transport & New Blades

MULCH TILLERS Willbeck 13', Willbeck 7 Tooth Soil Saver, Glencoe SS18 Fold Soil Saver, Glencoe SS13 Hyd Fold Soil Saver, Brillion 9 Shank Soil Saver, Glencoe SS7 Soil Saver

CULTIMULCHERS Bearcat 10' Roller Harrow, Dunham Lehr 10' w/ Inside Whls., IH 415, 13', JD & Brillion 10', 12', 13' & 15', JD 10 R SOLD ow, Turnco 25' Hyd Fold Packer

CULTIVATORS IH 80 2R Front Mount, IH 468, 4R Front Mt., JD AT 40 4R Ft Mt., JD 2R 4R S Tine, Lilliston 4R S Tine, McConnel 4R S Tine, McKee 4R S Tine, JD 4R Front Mount, (4) JD RG 4, JD & IH 6R 3 pt., IH 68, 6R Front Mount, JD AT40, 6R Front Mt., New IH 4500, 18' Vibra Shank; IH 16' Fold Vibra Shank Field; IH 365, 18' S-Tine Field; Brillion 18' Transport Folding Field, (2) 3 Section Drag Harrows; (2) 4 Section Drag Harrows

MISC. I H 5 & 7 Shank V-Rippers w/ Gauge Wheels, Glencoe Soil-Finisher 12'9" - Like New, (2) Howard 13' Rotavator, Knowles 16' wing trans harrow, used 4 acres.

Used 400-15', JD 400 Rotary Hoe

INDUSTRIAL J D 840 Self Loading Scraper; Case 584 D Fork Lift, Davis 30+4 Trencher, IH 3414 Gas Ind Ldr w/3 Pt. & PTO, Case 480 Gas Ldr., Howard 3 Pt. Backhoe, Cat 955 Ldr., As Is

1978 Case 580C Dsl L, B, ROPS, Cab w/Heat, Case 580B LB w/ ROPS, AC 715B L & B, IH TD14, Angle Blade, $2,995

SKID LOADERS Owatonna 330 Hydro, real nice, NH L445 D Skid, NH L35, Bobcat 444; Hydro Mack 6C Skid Ldr, Bobcat 533 D Skid, Case 1845 D Skid

LOADERS & BLADES J D 143, 145, 148, 158, 260, IH 1850, 2000, 2050, 2350, Case IH 74[illegible], Case IH #90 Ldr., Like New, SOLD Loader, Artsway HD loader for 4WD, AC 500 Loader for 185, etc., (New) J D & I H Buckets, JD 8' Dozer Blade For 4430, Etc., JD 155, 9' Heavy Blade w/ Hydraulics, Amco 905 Heavy Front Blade, IH Fast Hitch Blade, Myers Snow Plow For JD 2440 Etc

LAWN & GARDEN. JD 1050s w/ Power Steering, Dual Hyd., like new, JD 950D, Dual Hydraulics, JD 950 Dsl., 100 Hrs.; JD 430 D Mower/Hydraulic Dump, Satoh D w/3PT Tiller, Cub 185 Loboy w/ Mower & 3 Pt., Cub 184 w/Woods Mower, Cub 154 Loboy w/3PT & 60" Mower, Farmall Cub Loboy w/ Mower, FH & Attachments, Sears 24HP w/Blade & Mower, Cadet 782, Cadet 1250, 128, 126, J D 400, 318, 317, 314, 214, 212, 210, 111, AC 620 w/3 Pt. & Mower, (New) Johnson Loader For Cub Loboy, Loader For JD 400, Kwickway Loader For Cub Loboy

New Yanmar YFL 1000 Ldr., New & Used York Rakes, Schutt 3PT Tree Digger

ROTARY CUTTERS Woods 214 Wing Mower, Used FMC 13', JD 1408 Rotary Mower, Rebuilt, JD 1508 Wing Cutter

SICKLE MOWERS NH 450, NH 451, IH 1300 Dyna Balance Mower

MANURE SPREADERS NI 354 Tandem Spreader, Martin V3300 Tandem Tank, Martin Scavenger II Tandem Axle, NH 367 Flail Tank, NH 363 Flail, JD 54, NI 218 Tandem Axle, JD 44

Trailer load of (New) Killbros Bins & Running Gears, John Bean Roto Mist 100E Sprayer, NI 45' PTO Elevator, Zimmerman 36' Elevator, Allied TC41, 40' Grain Auger, Leon Rock Picker, Rex 400 Gallon Sprayer, Gehl BF190 Feed Wagon, IH 200 Feed Mix Wagon, Field Queen 1408 Side Dump Wagon, (New) McKee Snow-Blower Front-Mount, JD Quick-Couplers, JD Half Tracks For 6600 & 7700 Combines, JD WF, 4WD, JD 42" Cast Wheels and Tires, I H Flat Top Fenders For 706-1466, I H 66 Series Cabs, Ansel ROPS Cab For JD 2640, Etc., Ans SOLD Air For JD 30 Series, Nice, (New) Full Vision Cabs For M F 275 & 285, Cab For Case 70 Series, Damaged IH 84 Series Cab, J D & I H Front & Rear Wts., JD 243 Corn Head w/ Adaptor Plate

Ford Cabover w/Rollback, $3,850 As Is, IH 1890 w/18' Grain Dump $4,975

Muv-All 30' Hyd Implement Trailer J D Roll-Guards, Fast Hitch for 560 & 450, JD belly mowers for JD 850 & 950 etc

STRAW CHOPPERS For J D 4400, 6600, 6620, 7700, M F 510

MECHANICS SPECIALS TRACTORS 4020 Tr AC XT190, clutch, $3,950

New NI Corn Picker Parts: 323, 324, 325 Beater Units, H.D. PTO's, Elevator Extensions, Mechanical Lift Levers and Elevators

DECEMBER SPECIALS

TRACTORS	
JD 3020 D Tricycle	$ 4,500
I H 706 Gas, WFE, F H	$ 3,000
IH 706 D, WFE, 3 pt	$ 4,500
I H 1206 W F E	$ 5,950
Case 1976, 1370 C A P S, Duals	$ 9,500
Case 1470, 4WD	$ 4,950
IH 1086 C A	$ 9,950
COMBINES	
JD 55 Square Back w/Cab, 12' Grain & 2R Corn	$ 2,500
1973 JD 6600 D. C.A w/Grain Head (Needs Work)	$ 4,500
JD 3300 G w/Cab & 244 Corn	$ 4,500
IH '76, 915 D, Cab & Air, Turbo Hydro w/810 grain	$ 8,500
(76) Gleaner L Corn & Soybean Special, D, C A, Hydro, w/16' Flex & 630 Corn	$ 8,500
IH 815 D. C A Hydro w/810 Grain	$ 8,500
M F 510 Diesel w/Cab & Q T Grain	$ 3,800
TILLAGE EQ.	
JD 230, 22' Hyd Fold Disk	$ 2,900
JD 2800, 7B Reset Onland Hitch	$ 5,900
Ford 142, 6x Spring Reset Plow	$ 1,500
IH 700 6x Spring Reset	$ 1,975
MISC.	
Hesston 7020 Chopper w/1R	$ 950
Gehl 600 w/2R Corn Head	$ 1,500
JD 38 w/2R Corn Head	$ 1,000
Field Queen 1408 Side Dump Wagon	$ 1,500
IH 400, 6R Liq Planter	$ 375
JD 7000, 6R Liq w/No-Till	$ 4,950
JD 7000, 4R 30" Liq	$ 3,000
JD 7000, 4RW Plate Planter	$ 2,500
New JD 8300, 16x10 DD Drill	$ 3,500

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Ford TW10 w/cab & air
Ford 6000, good rubber, fair
Ford 2000 offset, new paint
Ford 4000, diesel engine, good
Ford 5000 w/gas engine, real good
Ford 754, 4WD, Ford County 4 cyl.
Ford 3600, low hrs., good cond.
Ford 2810, 24½ hrs., diesel, new
Ford 3000, nice, rubber good
New- 5 hrs. 2600 Ford w/HD loader
Dynahoe, runs good
Ford 1900, 4WD w/loader & bucket
Ford 555 Loader Backhoe w/cab, 4WD, torq. conv.
Ford 555 Loader Backhoe w/ROPS
Ford 555 Loader Backhoe w/cab
Ford 340 loader backhoe, 600 hrs. on tractor loader- demo hoe, sharp
Ford 655 TLB w/cab
Ford 4500 TLB w/cab, new paint
Ford 545 loader bucket, good tires, good condition
Ford 515 tractor loader
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Case 1845 skid loader
Snow loader w/6 cylinder engine - Best Offer
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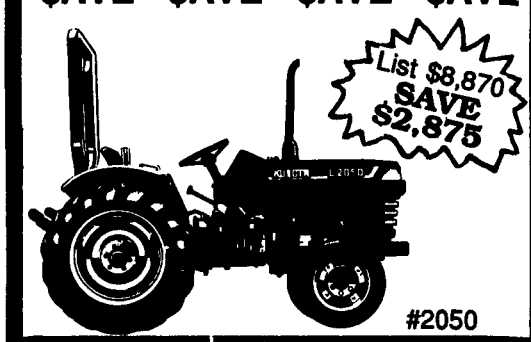

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- Differential lock
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- Cat. #1 3 Pt. Hitch
- 1 3/8 PTO, 540 RPM's
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AC 180 (Good Cond.)
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AC 190XT (Good Cond.)
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(2) AC 7040's — AC 7000

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Fox S.P. Harvester, No Cab
Fox S.P. Harvester, w/Cab
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(2) (1) Used Bobcat 600 Skid Steer Loader, (Very Good)
(1) Used Bobcat 743
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NI #311 2 RW picker
McCormick #3 blower w/table
Int. 2 btm F.H. plow
Int. 175 manure spreader
Int. 642 roll over plow
Int. 5500 3 pt. chisel plow
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NH 479 haybine, nice cond.

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Farmall M w/wide front end, nice
Farmall Super M
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309 manure spreader

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JD 7000, 4 R Planter w/Dry Fert. & Extras ..... **Coming In**
IH #10 15x7 Fert. Drill w/Grass Seed Attch..... **$895**
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JD 7000 Conservation 6 Row Narrow Planter w/Liq. Fert. Loaded w/Many Extras..... **$5,995**
IH 400 Cyclo 6 Row Planter w/Liq. Fert. & Many Extras **$1,350**
White 4 Row No-Till Planter w/Dry Fert. & Monitor..... **$1,395**
Ask About After Season Finance Waiver Till April 1st, 1989

Hay & Forage

JD 3 Row Narrow Row Crop Head Reconditioned..... **Call For Price**
(7) JD 716A Forage Wagons w/Roof & 3rd Beater w/JD 1275 Tandem Running Gears, 12.5Lx15 12 Ply Goodyear Tires, Excellent Condition..... **Coming In.**
NI Wheel Rake **$575**
JD 3 Row Wide Row Crop Head **$2,600**
JD 3 RW Corn Head..... **$2,200**
JD 38 Harvester w/2 Row Wide Corn Head **$1,200**
JD 38 Harvester-Base Machine **$800**
Variety of 2 RW Corn Heads Available
JD 2 RW Snapper Head w/Adapter Plate for Forage Harvester..... **$1,100**
JD 1209 Mower-Conditioner w/New Style Polyurethane Rolls, Completely Reconditioned..... **$3,995**

Miscellaneous

JD 32B Sprayer w/26' Booms, 210 Gal. w/o Pump **$495**
JD 534 Bulldozer Blade, 10' To Fit Row Crop Tractor..... **$900**

TRACTORS

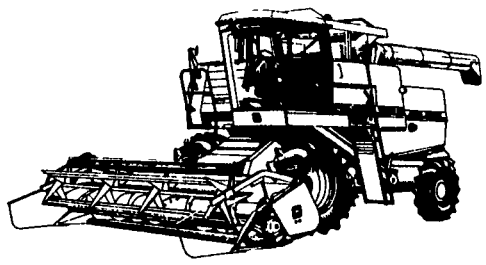
Ford 4000
1976 JD 4030, quad range, 4 post, roll guard

MISCELLANEOUS

IH 990 haybine
NI 299 mower conditioner
IH #60 flail mower, 14'
MC 12' flail mower
JD 35 harvester w/2 RW head
JD RG 4 row cultivator, (4 row wide)
JD F145 5-16 semi plow
JD 7000 4 row wide, notill, dry fert., insecticide, monitor
JD 7000 6-30 dry fert., insecticide, monitor
JD 7000 8-30 dry fert., insecticide, monitor

COMBINES

Int. 1460 w/1020 cutter bar



USED ONE SEASON EXCELLENT CONDITION

1987 JD 6620 Titan II, 2 WD, 218 hrs., hydrostatic, loaded w/216 flex cutter bar
1987 JD 8820, Titan II, 4WD, loaded w/JD 220 flex cutter bar, JD 843 corn head

Waiver Of Interest Till Sept. '89

Demo Tillage Units
JD 722 Mulch Finisher, 24' 8 ..... **$12,500**

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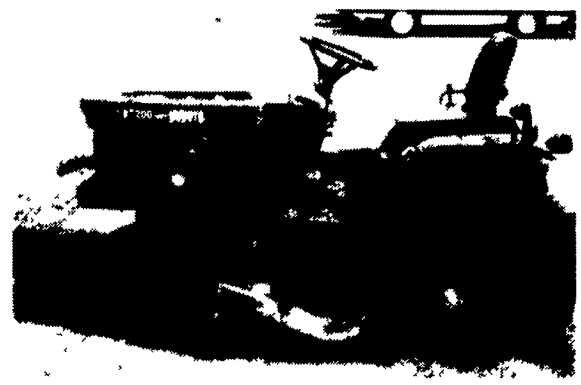
USED EQUIPMENT - Check For New Additions Weekly

- 19387 **Woods 4' Brushcutter** M-4 ..... **$750**
- 19388 **Woods 5' Rear Blade** RB-5 ..... **$180**
- 19554 **New Idea 323 Cornpicker** 1 Row **$2,100**
- 19528 **New Idea Cornpicker 323,** 1 Row, Good Condition **$2,100**
- 17871 **Suzuki GS550 Cycle** Bike In Good Condition **$495**
- 19343 6 Ft. **Kubota Dozer Blade** (fits L295) **$490**
- 19559 **Kubota Excavator KH28L,** 1986, 48 HP **$15,000**
- 17307 **New Holland 355 Grinder Mixer** Unit Is Very Good, Has: Hyd. Loading, Scales **$6,990**
- 14414 **Gehl CB600 Harvester** With Pick-Up, 2-Row Crop, & Narrow Head **$1,995**
- 19379 **Fox Harvester** 2000 w/2 row Cornhead & Pickup Head.. **$695**
- 17673 **Hesston 620 Hydro Haybine SP** SOLD Eng., Header 12' **$2,900**
- 17876 **New Holland 479 Haybine** Unit Works **$750**
- 14199 **Kubota MR6000 Mower** Will Fit B6100, B7100 Tractors, Hydro Only **$590**
- 19011 **T38 Mott Tow Type 38" Flail Mower** w/8 HP Engine **$750**
- 19076 **Leinbach KKL60-40** 3 pt. 5' Cutter, Like New **$480**
- 18950 **Kubota 3660** Flail Mower, 5' 3 Pt. Hitch **$750**
- 19561 **Woods RM400 Mower** **$795**
- 15080 **Mott Mower** Rev. PTO Flail Mower Will Fit B6000 Kubota **$575**
- 19081 **2 Bottom 12" Plow** **$175**
- 19532 **Landpride 6 Ft. Pulverizer SP1572,** Slightly Used, Like New **$645**
- 18898 **Worksaver Seeder** 3 Pt., Perfect Condition **$125**
- 19210 **Kubota 4' Snowblower** Heavy Duty B222-A, Fits B7100 ..... **$475**
- 16222 **Kubota B2510 Snowblower** (38", will Fit B5100, B4200) **$425**
- 17847 **Kubota B748 Snowblower** (48", will Fit B6100, B7100) **$250**
- 17840 **Kubota G2500 L&G Snowblower** 38", Will Fit G-Series **$625**



- 19571 **Kubota B7200 HSE Tractor** With RC60-72H Mower, Nice Condition **$5,450**

- 18652 - **New Demo. Ber-Vac 3 Pt. Hitch Snowblower** 1 Only ..... **$2,495** Cash/Picked Up

- 19594 -**Kubota B9200DT Tractor** w/BF350 Loader, Low Hours, Looks Like New **$8,975**

- 19609 - **Kubota B6100HSD Tractor** w/MR6000 Mower **$5,875**

- 15531 **Demco 25 Gal. Sprayer** **$395**
- 19010 **50 Gal. Mighty Mac Sprayer** w/Boom and Hand Gun **$680**
- 19065 **Mighty Mac 50 Gal. Sprayer** P550T **$695**
- 19012 **Turf 36" Lawn Sweeper** **$395**
- 19134 **Kubota Tiller B420** **$895**
- 17843 **Used Ford 7500 Tractor-Loader Backhoe** (good cond.) **$13,800**
- 19368 **Bolen Lawn & Garden Tractor** w/Mower H16XL **$1,390**
- 19037 **Wheelhorse 1276** w/48" Mower (SOLD Cond.) 12 Hp - HST **$875**
- 19694 **Ford 8N Tractor,** 1948, 25 HP **$1,750**
- 16422 **Ford 8700 Fender Tractor** **$8,500**
- 19354 **Kubota M4950DT Tractor,** 47 PTO HP/4WD/1360 Hrs **$12,790**
- 19047 **Kubota B6000E** 2WD Tractor **$2,995**
- 19597 **KUBOTA G6200H Tractor** w/RC48G Mo SOLD Hours, Looks Like New **$3,895**
- 17759 **Kubota B6100HSE Tractor** Hours 634, With MR4800 Mower, S/N-10089, Super Cond., HST Trans. **$4,950**
- 19537 **Kubota G5200H LGT** w/48" Mower, 3 Cyl., Diesel HST Trans **$4,275**
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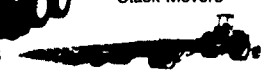

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AC WC
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830 Case-a-matic, gas WF, power steering, Eagle hitch, fenders, good rubber, nice
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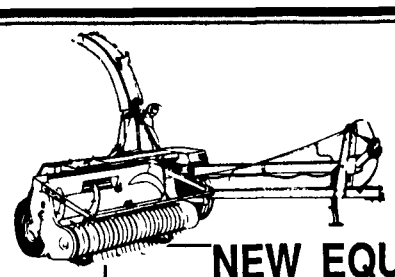

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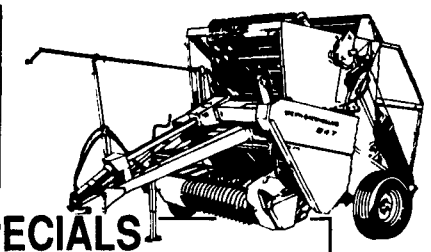

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Less $150 for Cash
NH 790 Harvester with Metal Detector (Demo) $10,250
Cash Discount $450; balance $ 9,800
NH 499 Haybine $15,400
Cash Price $14,000
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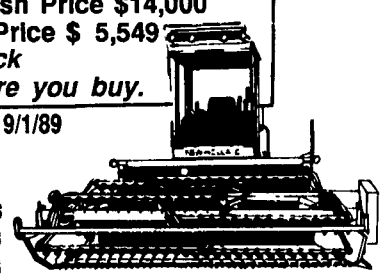

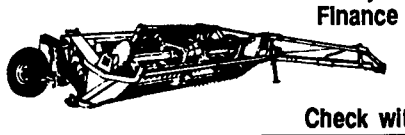

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3350 Gallon Tanks #1	$12,175.00	$9,650
#II	$12,175.00	$6,975
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#IV	$12,175.00	$6,060
4-Tooth Injector Tank	$14,720.00	$7,200
2300 Gallon Vac. Tank	$11,875.00	$8,400
6' Pump	$4,990.00	$4,150
8' Pit Pump	$5,000.00	$4,050
10' Pit Pump	$5,000.00	$3,580
12' Pit Pump	$5,075.00	$3,880
Lagoon Pump, All Hyd.	$8,300.00	$6,495
Souper Mixer	$3,325.00	$2,740
Wagon With Roof 16' Tandem	$9,650.00	$5,950
Wagon With Roof 16' Tandem	$9,650.00	$6,750
54" Blower	$3,115.00	$1,935
Badger Bale Chopper	$2,195.00	$1,775
Mower Conditioner	$9,675.00	$5,900
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INTERNATIONAL TRAILER CORPORATION

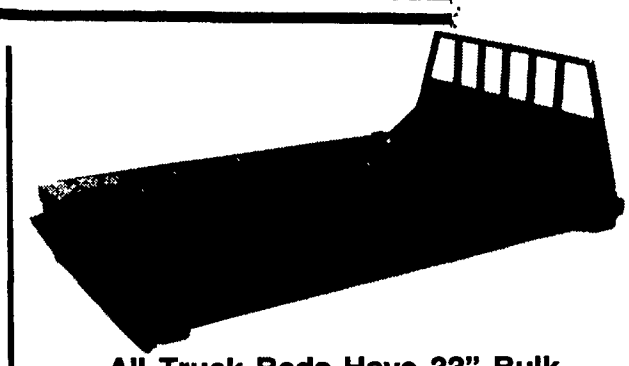
PULL TYPE FERT./MATERIAL SPREADER

By COSMO
(Division of International Machinery Corp.)

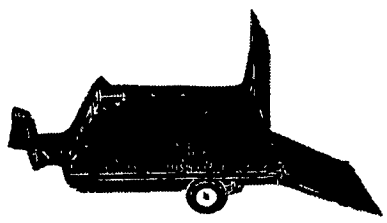
Pull	3 PT
$725 w/o Agitator	$395
$749 w/Agitator	$419

By Cosmo (Div. of International Machinery Corp.)
PTO r.p.m. 540, Weight (lbs. 484); Blades 42, Work width 4", min. 22 hp.

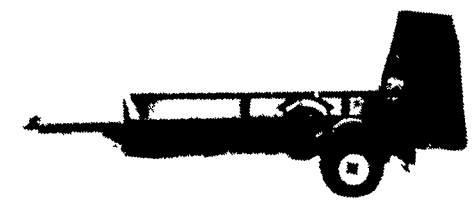
CHIPPER AC42
The Chipper AC42 is the ideal machine for cleaning up orchards and greenhouses.
With its 42 blades made from tempered steel it resolves ecologically the problem of the elimination of ligneous residues and accelerates the natural process of transformation, reducing branches, grass and leaves to the base material essential to the production of organic compost for soil enrichment.



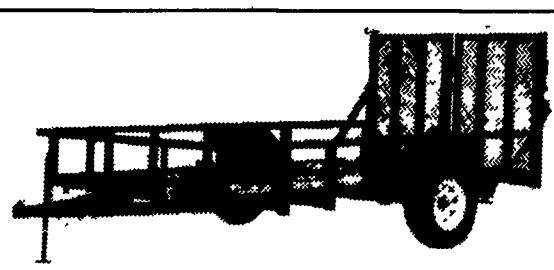
All Truck Beds Have 33" Bulk Heads Constructed From 1½" Square Tubing, Diamond Plate Floors, Rub Rails w/Stake Pockets & A 17" Drop Rear End
Available Sizes: 7'Lx79" W
8½'Lx91" W
10'Lx91" W
12'Lx91" W



BGK 808 DECK-OVER Fabricated From 3" Structural Channel With Heavy Duty Expanded Metal Deck 5.70x8 Tires, 2" Coupler, Top Wind Jack
AVAILABLE SIZES: 6'-8' Width
8'-16' Length
GVW 1500 - 3000 Lbs.
Single Axle Double Axle

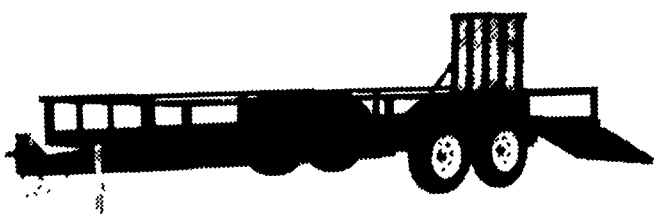


BGK 408 UTILITY Fabricated From 2'x3' Angle Iron With HD Expanded Metal Deck 5.70x8 Tires, 1 7/8" Coupler, Tail Lights, Safety Chains, Tie Down Stake Pockets, Inc. 38" H x 49" W Tail Gate Available Flat or With Rail (Shown)
Deck Size 4'x8' GVW 1500 Lbs.

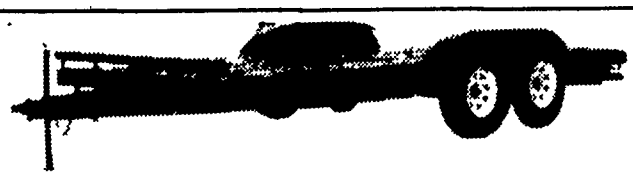


UTILITY (TILT MODEL) - Fabricated from the highest quality steel and component parts. These trailers standard features include, 15" White Spoked Wheels, New tires, 2" coupler, and safety chains.
AVAILABLE SIZES: LENGTH: 8 to 12 feet WIDTH: 60 to 76 inches
GVW: 3,500 lbs.

Largest manufacturer of a complete line of trailers, utility, construction, and goosenecks. QUALITY, WORKMANSHIP and DESIGN are the three most obvious components in these trailers.



UTILITY - Fabricated with rectangular tubing and angle, these trailers are available in most sizes to meet all your hauling requirements.
AVAILABLE SIZES: LENGTH: 12 to 20 feet
WIDTH: 76 to 81 inches
GVW: 7000-12,000 lbs. TIRES: 700-15 LT



UTILITY (FLAT BED) - Fabricated from 5"x3" angle, with heavy duty wrap-around tongue. 2-5/16" coupler, and self storing 80" long ramps.
AVAILABLE SIZES: LENGTH 14 to 18 feet
WIDTH: 76 to 81 inches
GVW: 8000 lbs. TIRES: 700-15 LT

NEW 3 PT. FARM EQUIP.

- 1 & 2 Bottom Plows
- Discs 4' - 8'
- Blades 5'-8'
- Box Blades 4'-8'
- Stone Rakes 4'-8'
- Post Hole Diggers
- 1 Row Cultivators
- Dirt Scoops
- Boom Poles
- Rear Carriers
- Fertilizer Spreaders
- Concrete Mixers
- Field Cultivators
- Potato Plows
- Hay Rakes & Tedders
- Rotary Mowers 3'-7'
- 4'-6' Finish Mowers
- Bale Carriers
- Sickle Mowers
- Rototillers
- Log Splitters
- Chipper-Mulcher
- Truck Beds - 7' to 12'

Over 200 Trailers In Stock Starting At $495.00

50 Different Models Available

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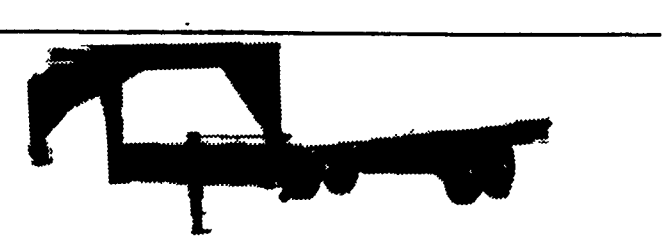
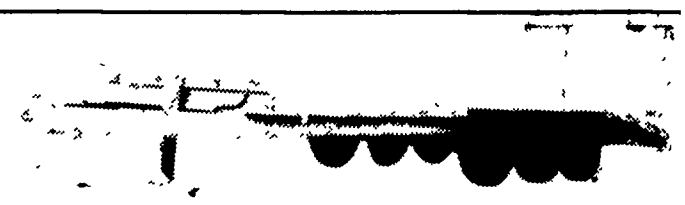


CONSTRUCTION (LOW DECK) - Fabricated from 6"x3½" angle, 5" channel crossmembers, 5" channel heavy duty wrap-around tongue with four position adjustable hitch, diamond plate fenders, and 56" long attached ramps

AVAILABLE IN DROP-AXLE
AVAILABLE SIZES: 6'4" WIDE x 16' LONG & 81" WIDE x 18' LONG
GVW: 8000-12,000 lbs TIRES. 750-16

GOOSENECK TRAILERS - Gooseneck feature is available on Flat Bed Deck-Over Models and on Utility Models with tubular side rails All models have adjustable top crank couplers welded to heavy duty 8" channel frames. Top decks are standard on Deck-Over Models.

AVAILABLE SIZES: LENGTH: 18 to 28 feet
WIDTH. 76 to 96 inches
GVW: 12,000-18,000 lbs. TIRES: 750-16 LT



CONSTRUCTION (DECK-OVER) - Fabricated with 8" channel main frame, with 4" and 5" channel crossmembers All sizes have 4-foot dovetail and heavy duty 56" long attached ramps, four position pintle hook, stake pockets, rubrail and drop-leg jack
AVAILABLE SIZES: LENGTH. 18 to 24 feet WIDTH: 8 feet
GVW: 12,000-20,000 lbs
Eight (8) lug brake axles with 750-16 tires

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JD 4240 Cab, Air, Quad
JD 4020 P. Shift, Dsl.
JD 4010 WF Dsl.
JD 4430 4 post, quad
JD 4320 w/Cab, Low Hrs.
JD 4230 w/Cab NICE
JD 3020 Dsl. PS, excellent
JD 3010 NF Dsl.
JD 3020 SC Dsl.
JD 2640 (81) w/Ldr.
JD 2550 like new
Ford 9600 very nice
Ford 7700, 4 WD, Cab, Air
Ford 5000 Dsl. w/Dual Power
Ford 7000, dual power
Ford 4610 SU Dsl. w/Ldr., Nice
Ford 4000 Gas 8 Spd.
Ford 4000 Dsl. 8 Spd.
Ford 601 Gas, 5 Spd.
Ford TW20 Cab & Air
Ford 5000 8 SP, Dsl.
Ford 6600 Cab & Air
White 2-105, like new
IH 766 Dsl.
Oliver 88 gas

USED TILLAGE

White 5400, 4R Planter
White 618 AR plow
Oliver 516 Auto Reset
Ford 151, 5x18 AR plow
White 252, 12' Disk
Bush Hog 1438, 12' Disk
IH #10 Drill, 14 Disk
IH 510, 3-16 Plow
IH700, 5-16 AR Plow

USED HAY EQUIPMENT

NH 258 Rake
NH 320 w/Thrower
NH 310 w/Thrower
NH 469 Excellent
NH 55 Rake
NH 477 Haybine, excellent
NH 847 Auto Wrap
NH 479 Haybine
JD 1209 Haybine late model, very nice

USED HARVESTER HEADS

NH 880 w/Pickup
Gehl TR3038 Corn, 2RN
NH 770W Hay

USED FORAGE EQUIPMENT

Gehl CB 700 w/both heads, ready to go
JD 3960, 2 RN, PU
NH 892 w/824, 2RN, Elec. Controls, NICE
NH 892 w/3RN Auger Base, Elec. Controls, Metal Alert, Good Cond.
Dion 3 Beater w/Roof, Tandem Gear
Lamco 2 Beater w/Roof, New Gear, EXCELLENT

CONSTRUCTION EQUIPMENT

Ford 420 w/loader
Ford 3400 w/loader, PTO, 3 pt.
JD 450B SOLD r, Nice
JD 555A Loader, excellent
JD 450C 6 Way-Dozer

SPREADERS

NH 680 Spreader w/Gate

MISCELLANEOUS

MF 300 Combine, 11' Hume Reel, Very Nice
MF 92 SP Combine w/12' G.H.
IH 2000 Ldr. w/Valve
Gehl 100 Grinder Mixer
Gehl 95 Grinder Mixer
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18.4x34 T Bar Duals
Several Used Hay Wagons
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PICKERS

NI 325, 2RN 12 Roll Bed
NI 323, 1 R SOLD ed 200 Acres

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UNBEATABLE PRICES!!

THE FOLLOWING NEW EQUIPMENT HAS TO MOVE

Case-IH- 885 w/Cab, AWD
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Case-IH- 900 Planter, 6 Row
Case-IH- 370 Disc, 11'6"
Case-IH- 96 Rake
Case-IH- 13' & 9' Chisels, 3 Pt. Model 5500
Case-IH- #40 & #11 Blades

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Used IH 1440, 1437 Hrs., Local Machine
IH 1150 Grinder-Mixer
IH 1190 Haybine
IH 440 Baler, w/#15 Thrower, Nice

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Runs Well
$5,800
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Oliver 1955 Completely Rebuilt
Oliver 88 Gas Tractor, Live PTO & Belt Pulley, Steel Wheels
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Yanmar 186, 4WD
Oliver 66 w/Ldr.
Grasshopper 16 HP Mower
Grasshopper 1412, 35 Hrs.
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IH 400 6-Row Planter
White 5400 6R No-Till Planter
Hesston 1014, 12' Hydra Swing
Hesston PT10, 9'
Hesston 1091, 9' Windrower
NI 2100 Gal. Vacuum Spreader
NH 676 Tandem Spreader
NH 518 w/Slurry Sides
NH Flail Chopper
NI 214 Single Beater Spreader

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Long Model 360 165 hrs., like new, 2 yrs. old

NH 775D Skid Loader w/aux. hyd.

NH 779 Skid Loader
Case 580C Loader Backhoe
IH 1256 Tractor
500 Crawler R/C
Farmall H
Farmall C
NH TR85 w/Grain Hd.
NH TR70 w/Grain Hd.
IH 45 Baler
NH 269 Baler w/thrower

Haines bulk body
IH 3-Btm Mtd. Plow
MF 4-Btm. Mtd. Plow
MF 82 Combine 13' Grain Head
Haines Stone Pickers
(2) IH 234 Corn Pickers
IH 455 Corn Planter
IH 456 Corn Planter
IH 1150 Grinder Mixer

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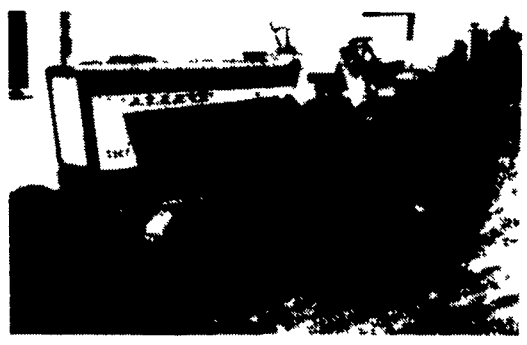
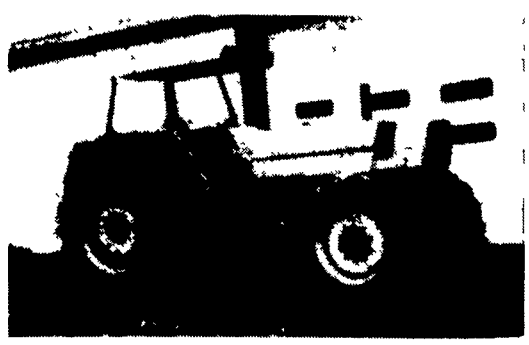


IH 656 Diesel, No TA, 3 Point Hitch
$3,900



Deutz DX 140, 3041 Hrs., 4-Wheel Drive, Powermatic
$8,800

DEUTZ:
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DX 140, 4x4 $8,800

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IH:

84 hydro, loader	$ 9,500
184 hydro, cab & air	$10,500

MF:

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2675, 24 spd., 4 post	$ 7,500
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3545, 4x4	$22,250
285	$ 7,900
285	$ 6,500
275	$ 5,900
275	$ 6,200

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MF 1143 corn head
MF 43 corn head
JD AW disc
Plow down attachment for liquid spreader
MF 540 combine
MF 540 combine, 480 hrs., w/flex head & 1143 corn head
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IH 720 forage harvester
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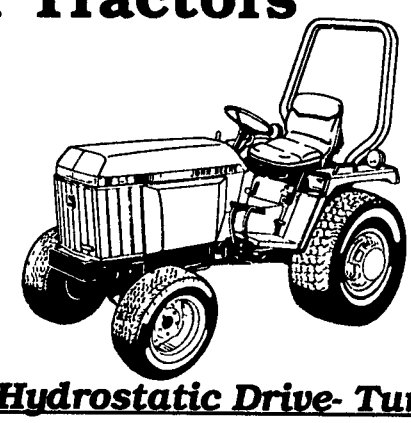

NEW Gear Drive- Turf Tires

JD 750 18-HP MFWD
JD 850 22-HP MFWD
JD 950 27-HP MFWD
JD 1050 33-HP MFWD

Special Terms

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w/60" R~~SOLD~~Mtd. Mower
54" Front Blade **$4,295**

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w/Power Steering, Hyd. Outlets **$7,350**

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JD 4020-100 H.P., Turbo, S/R, Complete Overhaul **$9,450**

(2) JD 3010- 55 HP Dsl., S/R **$4,250**

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Farmall Super A w/Cult **$2,595**

Farmall A w/Cult **$750**

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NH 679 w/Top Beater **$2,750**

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JD 220 17-Ft. Disk Harrow w/C-Springs **$6,600**

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IHC 6500 10-Ft. Coulter Chisel **$2,650**

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JD 7000 6R30 w/Dry Fert., Insect **$4,850**

JD 7000 6R30 w/Unit Coulters, Dry Fert., Insect. **$7,350**

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JD 7700 w/Cab, Diesel, Gear, 15-Ft. Rigid **$11,500**

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Vicon 7-Ft., Rotary Disk Mower **$2,750**

FORAGE EQUIPMENT

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JD 35 Harvester w/1-Row RC, 5½ Ft. Hay PU **$1,950**

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AC 333 6-Row No Till
White 5100 Air Planter, 6-Row

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Case 580C Loader Backhoe w/Cab
Case 580D Cab 4WD Extendahoe
Case 580D, ROPS w/Extendahoe
Case 580D, Cab, Standard Hoe (Silver)
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Case W14 Loader
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JD 2010 Track Loader
JD 450 Crawler Loader
Bobcat M610 Skid Loader

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Gehl TR3038 2-Row Wide Forage Head
Gehl 610 Forage Wagon
Gehl 920 Forage Wagon
IH 550 w/2 Row Head And Pickup
Fox 3000 Harvester
Fox 2000 Harvester w/2 Row Narrow
NI 329 Super Sheller
NI 327 Picker, 2-Row Wide
Assortment of Gehl 99 Forage Blowers

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Oliver 18 Ft. Disk

MISCELLANEOUS

AC 333 6-Row No Till
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AC 7060
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Ford 8N w/Mower
MF 165 D
MF 2745
AC 200 w/Cab

MOWER CONDITIONERS

NH 495, 12'
(2) NH 1495 SP w/Head
Gehl MC1090
IH 1190
NH 269
(2) NH 489

BALERS

NI 276 w/55 Thrower
IH 435
NH 278 w/Thrower
NH 2000 Large Baler, 1 yr.
(2) NH 269
(2) NH 273
NH 276
NH 275 w/54A Thrower
NH 275 w/Thrower
NH 851
JD
NH 846 Round

COMBINES

AC C II w/2 Heads
AC G440 Corn Head
AC 430 Head

RAKES

(3) NH 258
Deutz Fahr KH40 Tedder
Vicon V Wheel

FORAGE EQUIPMENT

NH 880 R2 Corn Head
NH 892 w/2 Heads
NH 890 w/880W & 822
NH 919A4 w/NH 919 WPU
(2) NH #8 Forage Wagons w/Gear
(2) NH 30 Blowers
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NH 900, 2R 30" Snapper Head only
NH #8 Box

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NH L B620 Loader
Rockhound Rock Picker
NH 358 Grinder Mixer
NH 445 Skid Loader w/Bucket
AC Disk 2500
Massey Loader
Case Wheel Ldr.
JCB 1550 B 4WD Ldr.
IH 1050 Grinder Mixer
Century Sprayer
Haybuster Drill
NH 1010 Bale Wagon
AC 460 Loader
Case 580 Loader Backhoe
Melroe Skid Loader
24" Vermeer Digger
Cat 977K Loader
Toro Sweeper
Horse Trailer

SPREADERS

Farm Hand
NI 244

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AC 600, 4R, Air
AC 600 4R no-till
(2) AC 600 6R no-till
AC 333

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Cub Cadet 1200 w/44" deck
Toro 8HP
Sears 10HP
White 1600
Beaver w/Mower
JD 108 w/Mower
Kubota B5100 E
AC 917 H w/Mower
Yazoo
Sears 10HP w/36" Mower
Case 446 w/Mower
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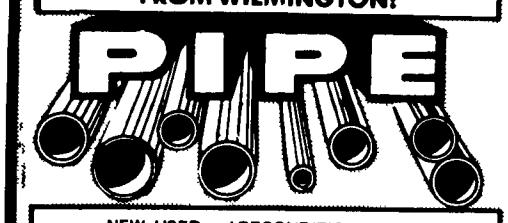

NEW USED and RECONDITIONED PIPE
STANDARD EXTRA & DOUBLE EXTRA HEAVY ALL SCHEDULES ALL TYPES FABRICATION THREADING CUTTING — WELDING
121 SO. MARKET ST. - WILMINGTON 19801
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MF 2705
w/duals, weights,
1200 hrs., exc. cond., must see
$12,500
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MARSHALL MACHINERY, INC.

30 Years Of Sales, Service & Parts
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Don't Forget Our Upcoming Inventory Reduction Sale April 1, 1989

This Week's Special:
NH 445 Skid Steer Loader With Deutz Diesel, Very Good Condition
$6,350.00

Large Selection New & Used 3 Pt. Hitch Snow Blowers For 15 To 200 hp Tractors.
Large Selection Tractor-Tire Chains.
Large Selection Of Snow Plows

USED TRACTORS

JHC: 656; 300; Super A; Cubs; 140 w/Highway Mower; 2410B; 2500 Series B- 3PT Tractor Loader.
YANMAR: 226, 4WD, Like New. **KUBOTA:** 7100 HST, 4WD, Low Hours.
JD: 3020-D; 2520; 401, Ind. w/Hyd. Highway Mower.
DEUTZ: 4006 w/Loader; 6806; 6806 w/Cab; 6206; DX 130 Hydraulic 4WD, 1000 Hrs., Very Good, w/Cab; 6006.
AC: 8030; G-w/Hydraulic & Cultivator; D-17S; 160 w/Full Hyd. Loader; 170 w/Loader; 175; 185; 190XT; 5040; 6060 w/Cab; 6060 2 & 4WD; 6080 2WD; 7040, Powershift; "B" w/3-Blade Belly Mower.
MASSEY FERGUSON: 175; 135; 65 w/Loader; 30 Ind. w/Front Loader; 40 w/Front Loader.
FORD: Side Mount Rotary Mower- Very Clean, Low Hours; 515 w/Hydraulic Drive; 545 w/Cab; 8N w/ Forklift; 600; 800; 851; 4000; 5000 w/Cab; 7600- High Clearance; 2000; 3000 w/Loader; 500 4WD; 2110 LCG w/Hyd. Drive Side Mower; 8600 w/Cab.

MANURE EQUIPMENT...

NEW: FOR IMMEDIATE DELIVERY: HEDLUND MARTIN Liquid Tanks & Manure Pumps. ALSO IN STOCK: 4 Sizes SCAVENGER Spreaders.
PUMPS: CALUMET Lagoon Pump; HEDLUND MARTIN Lagoon Pump; BETTER BILT 8' Pit Pump In Very Good Condition; NEW IDEA Basin Pump; BADGER BN184 Lagoon Pump.
USED: NEW IDEA: 206 Spreader; V-MODEL Manure Spreaders, 2900 & 2200 Gallons. NI 1500 Gal Tandem Vacuum; Box Spreaders; NH: 516T; 329; NI 213. STARLINE: Tank Spreader, Tandem Axle, Left Hand. VANDALE: 2200 Gal. Liquid Manure Spreader. FARMHAND: Right Hand, Tandem Tank Spreader; Mini 15 Bu. Spreader; 3500 Gal. Liquid Manure Spreader.

NEED INDUSTRIAL EQUIPMENT?

FORKLIFTS: AC: 706 rough terrain, heavy duty - 14' mast. 600-21' mast. WARNER-SWASEY: 21' mast (diesel). DANUSER: 3PTH post hole digger - hyd. drive. NORSE: 3PT logging winch.
DOZERS: CASE: 350 diesel, 6-way blade, 3PT & PTO; Case model 300 trencher.
PAYLOADERS: AC: 640 Articulated Payloader, ¾ Yd.; 840 1½ Yd. Articulated Payloader. Also, 1.7 Yd. Articulated. **LOADER:** AC: 655, Crawler, (1 Yd.).
TAG-A-LONG TRAILERS IN STOCK: 4, 5, 9, 18 & 20 Ton. AC: 3-axle, 9-ton tag-a-long. We Also Have A MILLER Blacktop Curber. A New 22' Forklift.
SKID STEER LOADERS: BOBCAT: 722. NH: 250, Like New; NH 250, Like New; L445 Diesel. RAYGO 2-Ton Vibratory Roller. **CRAWLERS w/BLADES:** IHC: 500-C; TD 15-B straight blade w/tilt cyl., completely reconditioned - ready for work.
TRACTOR-LOADER-BACKHOES: CASE: 580-B; 580-D. FORD: 555 w/extendaboom. AC: 715-C; 615. KUBOTA: L3350 4WD-low hours. We Also Have A 15' Tractor-Loader-Backhoe.
LOADERS: AC: 840 w/Log Forks.
NEW: ASPLUNDH BRUSH CHIPPERS IN STOCK.

MISCELLANEOUS MACHINERY:

27' Gooseneck, 3 Axle Livestock Trailer.
TRUCKS: CHEVROLET Tilt Bed Tandem Axle 26' Rollback. FORD F-600 4WD w/Snow Plow & Cinder Spreader; 1980 DODGE Dump Truck; IHC single axle dump truck; FORD 8000 Louisville dump truck.
LITTLE GIANT: Corn Drag.
STARLINE: 12' Silo Unloader, Very Good Cond., 5 HP Motor w/Tripod Winch, Elec. Controls.
WE HAVE NEW WIC EQUIPMENT. Silage Carts; Bedding Choppers And Blowers w/Roller Mill. **BUSH HOG & WOODS:** 3½, 4, 5, 6, 7 & 20' Rotary Mowers.
YORK: Stone 3 PTH Rakes.
NEW: NI: 325 2 Row Corn Picker (Narrow Row) w/12 Roll Husking Bed Or Super Sheller... One Of The Last Available. **NEW & USED GANG MOWERS**
15' MASSEY FERGUSON Reconditioned Stalk Shredder.

USED: NEW IDEA: Corn Pickers: 323, 1 & 2R, Wide & Narrow Row Available With Husking Beds Or Shellers. **GENERAC:** 40,000 Watt Continuous Duty Portable Generator. **OLIVER:** PTO 2-Row Potato Digger. **STEINER:** 40' Silage Conveyor. **HOWARD:** Heavy Duty 5' & 6'- 3-Pt. Rototillers. **MEYERS:** 500 Gal. PTO Trailer Sprayer. **CENTURY:** Tandem Axle, 1000 Gal. Sprayer, Electronic Controls. **WOODS:** C80 Trailer Rotary Mower. **SERVES:** 10' Trailer Rotary Mower. Heavy Duty 6'- 3 Pt. Hitch Rotary Mower. 15 Miscellaneous Front End Loaders For Various Make & Model Tractors. Rear Scraper Blades- 3 Pt.-Hitch, Fast-Hitch And AC Snap-Couplers. **MOTT:** Flail Mowers.

SHARP READERS SPECIAL: JD: 1327 Disk Mower Conditioner, Tine Conditioning, Call For Quick Sale Price.

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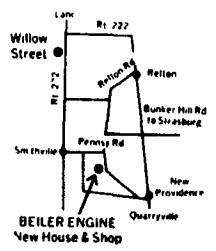
10% Discount On Parts & Labor Or Engines Scheduled For Repair Before Feb. 21, 1989



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Free Pickup & Delivery In Lancaster Co. On Engines Under 70 H.P. If Scheduled Before Jan. 10, 1989
To Schedule Pickup Write To:
280 Pennsy Rd., New Providence, PA 17560
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Get Your Engines In Shape Now For Spring. We Can Repair, Overhaul Or Rebuild Your Engine. We Stock Parts For Lombardini Diesels, Wisconsin, Kohler, Kawasaki, And Briggs & Stratton Engines.

Note: Our Deadline Is Earlier Than Other Years. We Need To Have The Engines Sooner To Avoid The Spring Rush. Schedule Your Engine Now!

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Ford TW10, 2850 Hrs., 20.8-38 Radial Tires
940 12 Ton Gehl Forage Wagon
Both Excellent Condition
Also 230 Ford 10 foot disk

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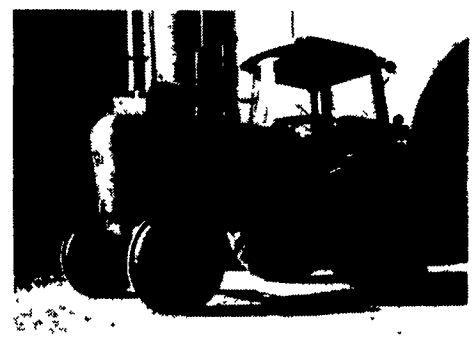

JD 4440
Cab, QR, dual hyd., quick hitch, nice
$21,000

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TRACTORS

1977 JD 4430 Dsl., Cab & Air, 18x38 Radial Rubber, very nice
JD 2950 Dsl. w/Cab & Air
1972 JD 4020 Dsl. Side Console, Dual Hydraulic, WF, Radial Rubber, 4000 hrs., Local Trade
1986 Ford 3910 Dsl., 600 hrs., Excellent
JD 2030 Dsl. w/Direction Reverser & 145 Loader
White 2-105 Dsl. Cab & Air, 1290 Original Hrs.
JD 3020 Dsl., Power Shift, Side Console, WF, very nice
JD 4230 Dsl., Power Shift, w/ Rollguard, 18x38 Rubber, One Owner Tractor
JD 4430 Dsl., Cab, Air, Quad, 18x38 Rubber, very nice
JD 4030 diesel, cab, air, quad range, 1600 hours, excellent (SOLD)
JD 2640 diesel, high-low, ind. PTO, roll guard & canopy, one owner, very nice
JD 2240 Dsl., Dual Hydraulic
MF 2705 Dsl., Cab, Air, 24SP Power Shift, 2600 hrs., very nice (SOLD)
1981 JD 4640 Diesel, Cab, Air, Power Shift, 20x38 Radial & Triple Hydraulic
JD 4620 Dsl., 3600 Hrs., very nice
JD 4450 Dsl., Cab & Air, 15 SP, P. Shift, Radial Duals, Excellent
JD 4320 Dsl. w/Cab, 4200 hrs., one owner
JD 4320 Dsl. Roll Guard, Cab, 3100 hrs., very nice
JD 4240 Dsl. Cab & Air, Power Shift
JD 4240 Cab, Air, QR, Quick Coupler & Weights, very nice
JD 4020 Dsl., WF, Syncro Range
JD 3020 Gas, Side Console, WF
JD 2350 Dsl., Ind. PTO, 1100 hrs., Very Nice
JD 2640 Dsl. w/Direction Reverser & 146 Ldr. (SOLD)
JD 830 Dsl. 3 Cylinder Utility, low hrs.
AC XP190 gas, cab & air
IH 856 Dsl., WF, 3PT
IH 766 Dsl., Black Stripe, Fender, 2400 hrs., very nice
IH 1086 Dsl., Cab, Air, very nice
IH 1066 Dsl. Fender Tractor 18x38 Rubber, Very Nice
IH 986 Dsl., Cab & Air, very nice
IH 886 Dsl., Cab, Air, one owner
MF 165 Dsl., 3PT, P. Steering, Ind. PTO
MF 85 Gas, WF, P. Steering, Ind. PTO
MF 50 Gas, 3PT, P. Steering, WF, exceptionally nice
Ford TW10 Dsl. Cab & Air, 2400 hrs., very nice
Case 530 Loader & Backhoe

NEW ARRIVALS

1987 Ford 8210 Cab, Air, MFD, 450 Hrs., Like New
JD 2750 Dsl., Hi-Lo, Ind. PTO, Excellent Cond.
JD 4030 Dsl., Quad Range w/Cab
JD 4440 Dsl., Cab & Air, Quad Range, 20x38 Rubber, Very Nice
JD 7000 4R Dry Fert., Insect., Monitor, Min. Till Coulters
JD FB 15x7 Grain Drill, Grass & Fert., Excellent Cond.
MF 2705 Dsl., Cab & Air, 18x38 Rubber, Very Good

CORN PICKERS

NI 324, 2RW 12 Roll Bed, Late Model
NI 323, 1R, very good

CORN HEADS

JD 244, 2RW
JD 343, 3RN Corn Head
JD 443, 4RN
JD 443, 4RN, Low Profile
JD 444 Low Profile, 4RW
JD 444, 4RW
JD 643, 6RN Low Profile
JD 643, 6R 30
JD 235 2RW 55
IH 844, 4RW
MF 44, 4RW Corn Head
MF 1144, 4RW Corn Head
MF 1163, 6RN
MF 1143, 4RN, Like New
AC 438 Black Corn Head
AC 430 Black, 4RN, Excellent

TILLAGE

JD 3x16 F145 Semi Mtd. Plow
IH 720, 4x18 Toggle Trip, Like New
IH 710, 4, 5, & 6x18 Spring Reset
AC 3PT 8 Tooth High Clearance Chisel Plow
IH 730, 4 Base Spring Reset Variable Width Plow
IH 720, 6 Base Spring Reset Plow
JD 310, 12' Disk
Hutchmaster 14' Offset Disk
JD TWA 12' Plowing Disk
JD 230, 20' Hydraulic Wing Fold Disk
JD AW 13' Disk Harrow
Brillion 14' Roller Harrow, Inboard Wheels, Late Model
Lely 12' Rottera
Glencoe 13' Soil Saver
Glencoe 5 Tooth Soil Saver, like new
JD & IH 16 & 18' Hydraulic Fold Field Cultivators

HAY EQUIPMENT

NH 499 Hydroswing Haybine, Used 2 Seasons
JD 327T Baler w/ejector, like new
JD 337T Baler w/30 Ejector, Excellent
JD 336T Baler w/30 Ejector
NH 277 Baler w/Thrower, very nice
NH 495, 12' Haybine
NH 489 Haybine, Excellent
NH 479 Haybine, Excellent Condition
NH 478, 7' Haybine
IH 990, 7' Mower Conditioner
JD 1219 Mower Conditioner, Exc.
JD 1209 Mower Conditioner
Vicon 7' 3PT Disk Mower
NH 846 Round Baler, Auto Wrap, excellent
NH 851 Round Baler, Very Nice
Kuhn 17' Hay Tedder, New
JD 7" Hay Pick Up w/gauge wheels
JD 5½' Hay Pickup
JD & NH Hay Rakes

COMBINES

1982 JD 6620 Side Hill, Fully Equipped, Very Nice
Gleaner F Gas w/Cab & Grain Table, Excellent
JD 4420 Dsl. Cab, Air, 1600 Hrs., Header Height Control, Choice of Heads
1982 JD 6620, Hydro, Cab & Air, 4WD, Turbo, Excellent Choice of Heads
1972 JD 4400 Gas, Good Solid Machine, Choice of Heads
AC Gleaner K2 Cab, 13' Flex Platform, very nice
1973 JD 4400 Gas Combine, w/Grain Platform, Good Solid Machine, $4950
Corn & Soybean Chopper to fit JD 3300-4400
JD 213 & 215 Rigid Heads
AC F or F2, 13' or 15' Flex Head, excellent
JD 218 Black Reel Flex
MF 13' Ridgid Grain Platform

Krause 2400 Rock Flex 20' Hydraulic Wing Fold Disk, Like New

BALE WAGONS

NH 1037, Tandem Axle, 105 Bale Capacity
NH 1034, Tandem Axle, 105 Bale Capacity, Single Bale Unload
NH 1033 Tandem Axle, 105 bale capacity
NH 1003, 80 Bale Capacity, Late Model

CORN PLANTERS

JD 1240 4R Plateless Dry Fert. Insect. Disk Openers
JD 7000, 4RW, Liq. Fert., Insect., Monitor (SOLD)

MISCELLANEOUS EQUIPMENT

JD 709 3PT Rotary Mower
JD 148 Loader, Like New
Brillion 8' Alfalfa Seeder w/ Double Box & Transport
NH 353 Grinder Mixer, Very Nice (SOLD)
IH 1850 Loader, w/Valve, excellent
IH 2250 & 2350 QT Loader
IH #50 Stalk Shredder
Brady 1440 Stalk Shredder
18x38-18x34-20x38 Duals
Donahue Equipment Trailer
Gehl 95 Grinder Mixer
NH 355 Grinder Mixer, Hyd. Drive, like new (SOLD)
Case IH 5100, 24x6 Grain Drill w/Grass Seed, Planted 40 Acres
JD 48 Loader for Row Crop Tractors
JD 318 Lawn & Garden Tractor w/Mower Deck, very nice
JD 400 Rotary Hoe (NEW)
Wrightway Rock Picker w/ Hydraulic Reel

WE ARE CASH BUYERS FOR CLEAN, LATE MODEL FARM EQUIPMENT

WISCONSIN HEAVY DUTY ENGINES

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Wisconsin Replacement Engines

- V465D-LB, 65.9 HP $2,450
- VG4D-SB, 37 HP $1,550
- W4 1770-LB 35 HP $1,450
- VH4D-LB, 30 HP $1,350
- VH4D, 30 HP, LB Bobcat Repl. $1,350
- TJD, 18.2 HP $1,025

Kohler Replacement Engines

- K582S 23 H.P. Elect. ..... as low as $1,295
- K301S 12 H.P. Elect. ..... as low as $555
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New Ford 1920
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(2) Ford 9N
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Ford 2910 w/loader
Ford 3000
Ford 4000
Ford 4610, 1984 w/1,100 hrs.
Ford 4610, 4WD w/7410 Ford Loader
Ford 5000 row crop
Ford 445 industrial w/loader 1983
Ford 6600, 4WD w/loader
Ford 7000 w/DP
Ford 7700, 1980 w/SOLD Cab & Air
Ford 7700, 1979 w/DP
Ford 8210, 350 hrs., 4WD w/SOLD cab & air
Ford TW20 w/4WD & Cab
JD 2010 row crop
JD 2 SOLD WD
JD 555, 1980 crawler loader
IH 574
IH 786
IH 1466
MF 12 h.p. w/mower
MF 20 industrial
MF 135
Long 310, 2WD
New Long 510 w/Shuttle Drive & Loader
New Long 610, 4WD
New Mitsubishi 372, 15 h.p.
New Mitsubishi 180, 4WD, 18 h.p.
New Kioti 22 h.p.
Ebro 480, 80 h.p.
Mitsubishi 372, 15 h.p. w/loader
Mitsubishi 160, 16 h.p. w/loader
Irrigation pump & engine unit, 354 Perkins diesel, $6,500

We also have a large inventory of tractors at our other location at 4530 Olde Scotland Rd., ¼ mile off Exit 8 on 696 North.
¼ Mile East of Exit 6 I-81 on U.S. 30
Hours: 8:30-5:00 Mon.-Fri.
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USED EQUIPMENT SPECIALS

Kubota B7100 Hydro, 4 WD With Loader & Cab Was $6,500..... NOW $5,900
Gill Double Row Pulverizer (New) Was $1150..... NOW $975
Kodiak 6'x8' Trailer (New) Was $1050..... NOW $875
Ford 5000 Tricycle Was $5500..... NOW $4,500
ARPS 80 Backhoe Was $4700..... NOW $3,750
Kubota B8200 Hydro w/6 Way Blade And Backhoe, Was $10,500..... Now $9,500
Kubota B7200 Hydro w/Loader (only 10 hrs.)... $8,900
Ag Tech Preseeder (New) Was $4,750..... NOW $3,950
LAMCO Single Axle Trailer w/Sides $475
JD 237 2-Row Mtd. Cornpicker Was $900..... NOW $750
Moritz 28' Gooseneck Implement Trailer, Tri Axle w/Beaver Tail And Loading Ramps, 10 Ton Capacity, Was $5,200..... NOW $4,900
85 Ford F250 w/Retractable 5th Wheel, 460 Engine, 4 Speed, Equipped For Towing, Ex. Cond. $8,900

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(50) CRAWLER LOADERS

Case 850 ..... $5900
IH 150 ..... $6500
IH 500 ..... $6900
JD 1010 ..... $6900
Komatsu D30 ..... $8500
AC 655-4 In 1 ..... $8500
Case 450 w/Hoe $8500
IH 250 4-In-1 ..... $8500
Cat 955H $9500
Cat 977H $9500
(3) JD 350 ..... $5500-$10,500
(2) Cat 933F $9500
(6) JD 450 ..... $6,500-$16,500
(4) JD 350 w/Hoe $12,500
IH 125C $14,500
(2) Komatsu D31-Cab ..... ea. $14,500
(6) 450 w/Hoe.. $12,500-$19,500
(2) Cat 931-Cab ..... $15,000 to $17,500
Cat 951B $17,500
Cat 951C-Cab $17,500
Case 1150B $22,500
(4) JD 555-Cab-Hoe $22,500
JD 755 ..... $23,500
Komatsu D455 ..... $24,500
Case 1150B $25,000
Cat 955K $25,000
Cat 955L $27,500
(2) Cat 983 w/Ripper ..... $29,000 & Up

(10) SKID STEER LOADERS

Case 1845 Diesel ..$3900
OMC $4500
JD 170 ..... $4900
Clark 533 ..... $5900
Melroe 731 Diesel .$5900
NH L555 ..... $8500
Case 1835 Diesel ..$8900
(2) Case 1845 Diesels $9,900
Case 1835B $9,900

(34) BACKHOES

Ford 800 ..... $3000
MF 300 ..... $4000
Case 530 ..... $4000
(2) Case 580B $6750
JD 500C $6900
(2) JD 300 $5000 to $7900
JD 310 ..... $7900
MF 2200 ..... $7900
MF 40 ..... $7900
JD 750-4WD $9400
(3) Ford 4500 .$5800 to $9500
(2) Case 580B $9500 to $10,500
Ford 6500 ..... $10,900
JD 310A $11,500
Ford 420 ..... $11,500
IH 260 ..... $11,500
Ford 550 ..... $11,500
(3) AC 715 ..... $9500 to $15,000
(2) Case 480C $12,500
(2) JD 410's $12,500
Long 5 In 1 ..... $13,500
(2) Case 580C $14,500-$16,500
Case 580D $20,500
Case 580E-Super 4WD $29,500

(7) LOG SKIDDERS

Franklin 130XL $7500
Timberjack 240 ..... $7500
JD 440A $8500
Timberjack 230 ... $16,500
JD 440C $18,500
JD 640 ..... $20,000
JD 640 w/Grapple $20,000

NEW 3 PT. YARD RAKES

4' $395
5' $450
6' $495
7' $550
8' $595

NEW 3 PT. LANDSCAPE BOXES

4' $450
5½ ' $475
6' $495
7' $595
8' $595

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(100+) Used Hoe Buckets.. Come Look
(75) Loader Buckets.. Come Look
(75) Set Forklift Forks..... Come Look
Ford 4500 Frost Tooth $395
Ford 4500 ROPS $650
3 Pt. Hitch For Case 580 ..... $695
12" PHD For Hoe ... $795
10' Foot Rake $1000
8 HP Mortar Mixer Like New $1150
Ingersol 25 HP Compressor $1500
Ripper For Cat 933 ..... $1500
(4) Tree Planters .. $695-$1800
(4) Winch Attach ... $1000-$3750
Kubota 3 Pt. Hoe .$2350
Case 33 Hoe Attach. $2500
1 Ton Roller $2500
1 Ton Overhead Crane $2500
(3) JD Hoe Attach ... $2500-$4500
Tree Shearer $2900
MF Hoe Attach $3000
Case 450 Hoe Attach $3500
Snowblower For Big Loader $3900
8' Sheeps-foot $3900
Huber Maintainer .. $3900
Pull Type Sweeper $3900
Long 1199A Hoe Attach $3900
JD 3 Pt. Hoe $4450
2 Ton Overhead Crane $4500
AC D Grader $5900
(2) Wood Chipper .$5900
Huber M600 Maintainer $7900
(2) Galion 503 Graders Diesel .... $6500-$8900
Wayne Stump Grinder $8900
Petibone 5 Ton Yard Crane $8900
Vemeer Tree Spade $15,000
JD 760 Scraper .. $18,500

(18) TRACTORS WITH LOADERS

MF 303 ..... $3900
IH 364 ..... $3900
Ford 4500 ..... $3900
(2) MF 202 $3400 to $4500
Mitsubishi $4900
White 2-63 ..... $4900
White 2-44 ..... $5500
MF 135 ..... $5900
JD 650-4WD $6400
IH 240A-Diesel $6500
MF 40 ..... $6500
IH 2500A $6500
Ford 3400 ..... $6500
Ford 2110 ..... $6900
MF 1030-4WD $7650
Ford 335 ..... $8900
IH 260A ..... $$10,500

CONSTRUCTION EQUIPMENT

NEW 1988 TRAILERS ON SPECIAL

- 2 Axle, 5 Ton, 14 Ft. $1,695
- 2 Axle 5 Ton, 16 Ft. $1,795

(8) TRUCKS

1953 Chevy Pickup $2400
1977 IH 1750 Diesel Dump $3900
1969 Mack Dump .. $4900
1979 Chevy C60 Flat Dump $4900
1980 Chevy C30 .... $5900
1985 Ford E350 Mini Bus $15,500
1970 GMC Astro w/24' Rollback $17,500
1981 GMC Tandem Rollback $29,500

(13) FORKLIFTS

IH 2400 ..... $3900
AC 5000 Lb. $3900
White 4000 lb. $4900
AC 4000 lb. $5900
Baker 4000 Lb. $6900
Ford 28'-RT $6900
IH 5421-21' $6900
Case 580D-14' $7900
MF 2500D-14' $8900
Skytrack $8900
AC 1600-21' $12,900
Case 584D-21' $12,900
Case 586C $18,500

(33) DOZERS

McCormick T20 ..... $1700
Cat D2 ..... $2500
Oliver HG $2800
JD 40 ..... $3200
Oliver OC4 ..... $3500
JD 440 ..... $3500
(2) Case 450 ..... $5500 to $13,500
IH TD9-92 ..... $5900
(2) Cat D6B $8500
(6) JD 350 ..... $5500-$10,500
Komatsu D30 Cab $11,500
(3) Cat D4D . $12,500-$17,500
JD 550 ..... $18,500
Cat D3 ..... $19,500
Case 850B-6 Way $19,500
(4) JD 450 .. $11,500-$19,500
Cat D3B-6 Way .. $22,500
Cat D6C $22,500
Case 1150C-Cab-Ripper $29,500
JD 450D $31,500
IH TD 25C w/Ripper $55,000

(16) RUBBER TIRED LOADERS

Case W7 ..... $4500
Michigan 55-Cab $5500
IH 500 ..... $6500
Hough 50C-Cab $7500
JD 544 ..... $7500
Ford A62 ..... $8500
Waldon w/Hoe $10,500
Ford A64 ..... $13,500
JD 544 ..... $16,500
(2) Ford A62 ..... $22,500
Case 730 ..... $22,500
Cat 910 ..... $23,500
JD 544B $24,500
JD 644B $34,500
Cat 988 ..... $49,000

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3X Tag-A-Long $900
1X Tag-A-Long $1250
1988 2 Axle 5 Ton ..... $1695-$1795
(2) 2X Tag-A-Long $2000
3X Tag-A-Long $2900
1986 9 Ton Gooseneck $4900
25 Ton Lowboy $5900
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25 Ton Lowboy $6900
35 Ton Lowboy $6900
1988 12 Ton w/Air $7700

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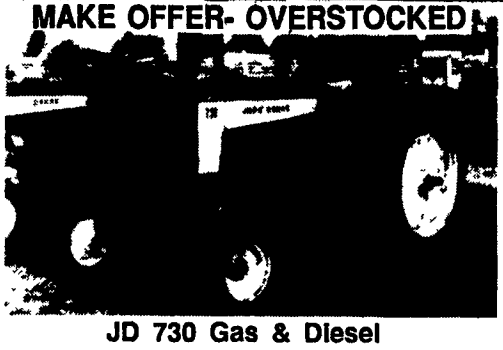

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We Have 8
$3,500 To $4,900

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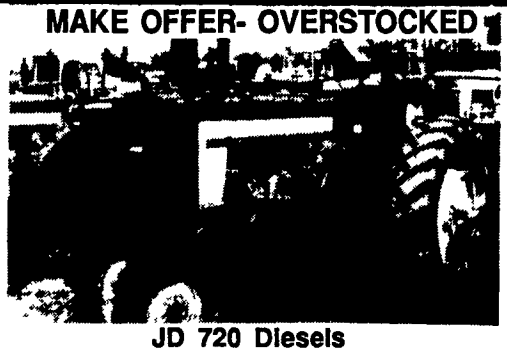
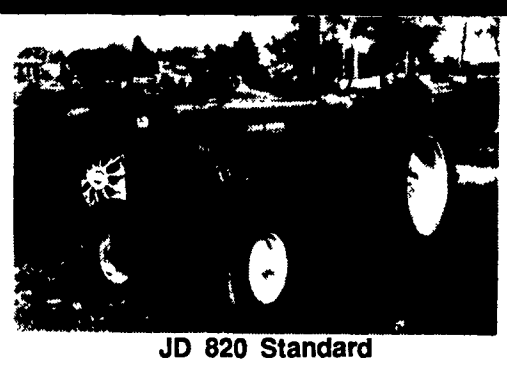
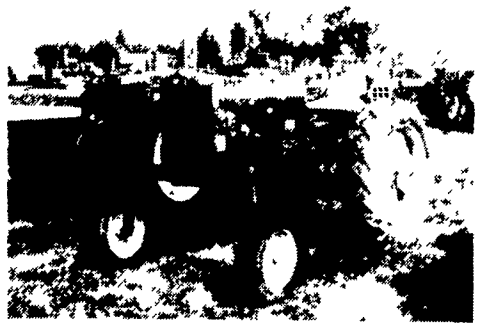


JD 720 Diesels
5 In Stock
$2,800 to $3,500



JD 820 Standard
$3,500

JD 40- WF- 3 Pt.- Good Tires- Good Sheetmetal- Above Average
$2,900



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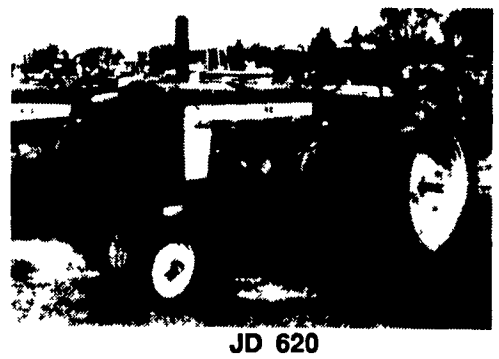
Only **$2,900**



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Your Choice 6", 9", 12" Augers.....$495

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5½' Combination Blades.....$495
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(4) A-Gas	$1150 to $1450
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620 Orchard	$1500
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60	$1600
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(2) M-WF	$1900 to $2500
(2) L	$1900
70 Gas	$1900
420-WF-3 Pt.	$1900
LA With Cult.	$1900
430-WF-3 Pt.	$2200
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(2) D-On Rubber	$2500 to $5000
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930CK-WF-3 Pt.	$4400
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170 Gas w/Loader-WF-3 Pt.	$6900
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(3) 88 Diesel	$1500 to $2000
(2) 70-Gas	$950 to $1650
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770 Diesel-WF	$1900
MM Super 4 Star	$2700
1800 Diesel	$2900
1600-Gas-WF-3 Pt.	$2900
550-Gas-PS-3 Pt	$3900
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4-150, Cab-Duals-3 Pt.-PTO	$10,500

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230-Gas	$1900
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(3) Super C	$1650 to $2350
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(3) Cub's	$1800 to $2500
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274 Diesel-3 Pt.-Cult.	$6900
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84 Diesel-Hydro	$8500
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1566-Red Cab-Nice	$10,500
560-Gas-FH-Mint	Call

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4' 3 Pt. HD	$495
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4' Pull HD	$595
5' Pull HD	$695
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6' Pull HD	$895
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5' 3 Pt. Estate Mower	$1095
6' 3 Pt. Estate Mower	$1195
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7' 3 Pt. HD	$1495
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3 Pt. 1 Row Cultivator	$150
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3 Pt. Woodsaws	$495
3 Pt. Wheel Rakes	$495
2x14" 3 Pt. Plow	$595
5' 3 Pt. Aerator	$695
9' Hay Tedders- 3 Pt.	$895
9' Hay Tedders- Pull	$895
3 Pt. 52" & 58" Rototillers	$1275
3 Pt. 1 Row Potato Diggers	$1495
3 Pt. Sickle Bar Mowers	$1695

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6' 3 Pt. HD	$195
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3 Pt. Standard	$1395
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2X Spike Harrow	$95
JD KBA Wheel Disc	$195
(3) 4X Rotary Hoes	$295-$595
(3) Souder Loaders	$195 to $295
IH Cub Rotary Mower	$295
Skeleton Elevator-24'	$295
JD 3x14" Pull Plow	$295
(3) 2 Row 3 Pt. Cultivator	$295
IH Super C 2X Cult. w/FH	$295
Loader For JD "A"	$300
MF Hay Rake	$300
3 Pt. Disc	$350
(2) Mechanical 1x3 Pt. Transplanter	$395-$495
Ford 1x3 Pt. Plow	$395
Cab Off Case 1030	$400
IH Cub Snow Blade	$450
IH Cub Lowboy Snow Blade	$450
(2) JD 290 2X Pull Planter	$295-$495
3 Pt. Woodspliter	$495
JD 2x3 Pt. Plow	$495
Ford 2x3 Pt. Plow	$495
IH FH Sickle Bar Mower	$495
(5) 3 Pt. Field Cultivators	$495-$795
JD 43 Cornsheller	$595
IH 2X FH Trip Plow	$595
(2) Flat Wagons w/Sides	$650
Loader For IH C	$695
(4) 3 Pt. Tree Planter	$695 to $1800
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JD 1 Shank Pull Subsoiler	$695
NI 10' Lime Drill	$695
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David Bradley Manure Spreader	$750
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Loader Off Farmall H	$795
Brillion 16' Harrow On Wheels	$795
Mott 6' 3 Pt. Flail Mower	$895
IH 3 Pt. Sickle Bar-Dyna Balance	$895
Shultz PTO Spreader	$895
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JD RG-4x3 Pt. Cult	$895
IH 4X Semi Plow	$895
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Cab Off Case 1030	$1000
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Loader Off Oliver 550	$1000
Loader Off Long 560	$1000
Loader Off IH 2400	$1000
JD 30 Combine	$1050
JD 1250 3x16" Plow	$1095
JD 894A Hay Rake	$1150
JD 16A Flail Chopper	$1200
JD 1240 Plateless Planter	$1200
Oliver 1855 Cab	$1250
NI Hay Rake	$1250
Loader For MF 165	$1250
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Brillion 12' Rotary Mower	$2250
IH 12' Stalk Chopper	$2300
NI 323 1 Row Picker	$2500
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Shultz 12' Stalk Chopper	$2800
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JD 1520 Wheel Disc-16' w/Rake	$2850
White 348 3x16 Reset Plow-New	$3000
Bush Hog Offset Disc	$4800
NH 851 Round Baler	$4900
NH 846 Round Baler	$5500
(2) AC Gleaner F Combine-Gas & Diesel	Call
IH 815 Diesel-Hydro-Combine	Call
IH 915 Diesel-Hydro-Combine	Call
JD 4400 Diesel-R. Screen	Call
Lots More Not Listed	Call

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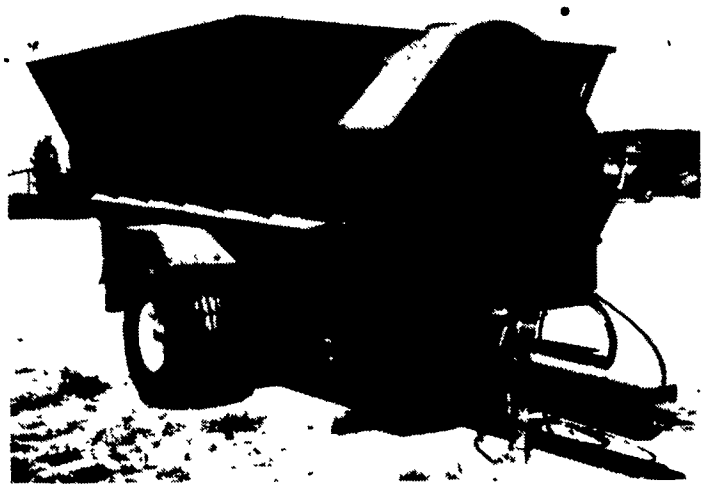

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Fox Blower
JD 1209 Mower Cond, 9 Ft.- $3,250
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Cub Cadet 105 w/Mower
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Good Selection of Used Cub Cadets In Stock

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JD 1240 [SOLD], 30", Liq
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Pittsburg 11'6" Disk
IH 37, 35 In Various Sizes
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Int 360 20 ft Trailing Field Harrow
IH 78 Front Mtd 4-Row Cultivator w/Quick Attach, For IH 66 Series
1-Bot. Trailing Plow
Dunham Lehr 12' Packer Mulcher- Poor Condition
Dunham Lehr 12' Single Packer - Coming In!
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COMBINES:
IH 227 CH, fits 315, 205 or 203
IH 205 w/10 ft. Platform, $3,000
IH 844 Cornhead - $2,500
IH 810, 13 Ft Head - $2,500
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744 Wide Cornhead for 715, Ex Cond
743 N Cornhead for 815, Ex. Cond
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COMBINES & EQUIP. FOR PARTS:
(2) IH 315's
IH 403 Gear, 4R W Hd & 12 Ft Plat.
IH 227 Cornhead
IH 700 13' Platform
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IH 455 & 656 Planters
JD Van Brunt 13x7

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Ford 3400 w/Loader
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Ford 2000 LBH
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Ford 1900 w/Ldr.
Ford 1310 4WD
Ford 1300 w/Ldr.
Ford 4600 Dsl.
Ford 1300 w/Mower
Ford 801, P.S.
Ford 555B LBH
Ford 445 w/Loader
Ford 4000 D PS
Ford 3910 4x4 w/ Ldr.
JD 1020 w/Loader
JD 2010 GNFE
JD 1020 D
JD MT
IH 574 w/Loader
IH 154 w/Mower
MF 30B LBH
Ford 5600 4WD, Loader
Ford 420 w/loader
Ford 4000 w/ Loader
Ford 2810 600 hrs.
Ford 2110 500 hrs.
Ford 535 LBH
Ford 1600 w/ Loader
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DB 1200
MF 1130
AC 5020
AC 160 D
JD 3300 Combine
NI 323 Picker

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Tractors: 2155, 2355 N, 2955; 2755; 2855 N "Orchard", 4250 SG PS MFWD.
Compact Utility Tractors: 655; 850; 850 MFWD; 855, 855 MFWD.
Combine: JD Grain Head, 213 Flex.
Balers: 430, 338, 328, 348
Rakes: 672.
Corn Planters: 7200, 6R Cons.
Forage Harvesters: 3950; 3950 w/Iron Guard; 3970 w/Iron; 2RN & 3RN Heads.
Mower Conditioners: 1219 w/ Dbl Windrow; 1460.

USED
JD 4250, SG, PS
JD 2440 w/145 Ldr.
JD 2240 MFWD
JD 750, 67 Hrs.
JD 850
JD 210 Disk
JD FBB 13x7 Drill
JD 300 Husker w/244 Head
JD 343 Head
JD 2RN New Style Corn Head
JD 14 Skid Loader
(3) JD 336 Balers
JD 3800 Harvester
JD 35 Harvester w/Heads
JD 1209 Mower Conditioner
(3) JD 716 Forage Wagons
JD 716A Forage Wagon
JD 444 Head
JD 10' Transport Disk

NEW HOLLAND
NEW
Baler: 853, 848 & 316.
Windrower Turner: 144.
Haybines: 411, 489, 499.
Spreaders: 680, 791.
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Forage Wagon: 716.
Forage Harvester: 790.

USED
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NH 2R Snapper Head for Fg. Harv.
NH 23 & 26 Blowers
NH 880 w/2RN
NH 469 Haybine
NH 488 Haybine
NH 489 Haybine
NH 499 Haybine
NH 1495 Hydrostatic
NH 1495 Haybine Planetary
NH 850 Round Baler
NH 770 Harvester w/Heads
NH 553 Skid Ldr, Low Hrs., Like New
NH 1010 Auto Bale Wagon

Used Combines: JD 7720, JD 4400, IH 203.

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NEW
Bobcat 440 B, 642 B, 743, 542 B, 843 Loaders.

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MF 184-4 Tractor
Ford 4B Reset Plow
Ford 3B Reset Plow
Ford 3B Trip Back Plow
IH 440 Baler w/Thrower
Gehl 2RN Corn Head
Gehl 99 Blower
Gehl 750 Harvester w/Heads
MF 925 Mower Conditioner
Hesston 1090 Mower Conditioner
NI 2RN Picker
NI 384 V Spreader

CORN PLANTERS
JD 7000 Conserv 6RN, Dry
(3) JD 7000, 6RN, 2 Dry, 1 Liq.
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IH 400, 4R, Dry Fert w/Monitor

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bobcat
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585 4WD, (special price)

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Farmall Cub w/New Woods 60" Mower & Snow Plow
Farmall Cub w/22 Mower
Farmall Cub Loboy w/ Mower & 54" Blade
Used Scout 1979 Low Mileage, Auto 345 Plus Air

NEW EQUIPMENT
CASE-IH
2200 Loader for 385-485 Tractor
2250 Ldr. w/72" Bucket
7 QA Ldr. for 200 Series Tractor
10 QA Ldr. for 200 Series Tractor

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OTHER EQUIPMENT
Woods 750 Backhoe w/18" Bucket
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Woods RM600 Rear Mtd. Mower
Woods M54, 5' Rear Mtd. Mower, Special Price

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140 2WD
140 4WD
2-65 w/Loader
43 4WD
37 4WD
21 w/Turf Tires

USED TRACTORS
JD 4440 P.S.
JD 28 SOLD nal, Nice
Oliver 1755D Complete Engine Rebuilt
Ford Jubilee (nice)
JD 60

MISCELLANEOUS
Set 18.4x38 Duals, 9 Bolt Hubs
New Material Buckets To Fit JD Loaders 145-146-148-158 48-58 in stock
JD 343 Corn Head
1 Set of Pallet Forks
1 Used 13-38 rear SOLD tire

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New White 3-4-5 btm. plows
New White 435 disk chisel
New White 273 Disk 17'10"
(2) New Kewanee Field Cultivators 15' & 18'
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New Kdewanee 775 Disk 14 ft.
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New 8-10-12 ton running gears
New Hay Tedders
New Bale Wagons
New Forage Boxes
Used NH 890 Harvester w/5 Ft. Hay P/U & 2R Corn Head
Oliver 25 Combine

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w/new rubber, v.g. cond.
$7,800
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Used Tractors

Ford 6700 excel.; Oliver 1650, 770, 77; MM 950; Fordson Major w/loader; Year round cab for IH 706;

Currently Dismantling Tractors For Parts

AC: WD, D19, 5040, XT190, 200, 7040; CASE: VC, VAC, SC, 600, 700, 730, 870, 1070; DEUTZ: 5506; FORD: 851, 971, 4000, 5000, 6000, 9600; IH: H, M, Super C, UD9 power unit, B275, 300, 350, 400, 404, 450, 460, 504, 544, 560, 584, 656, 666, 706, 806, 1026, 1206, 1256, 1586; JD: A, B, 40,50, 60, 520, 620, 720, 2010, 2020, 2040, 2510, 3010, 4010, 3020, 4020, 4430, 4630; MF: 65, 85, 165, 175, 178, 180, 1080; MH: 44; MM: 4 Star, 5 Star, Jetstar 3, 445, 602, 670, G1000; Oliver: 60, 66, 70, 77, 88, 770, 1450, 1550, 1600, 1650, 1750, 1800, 1850, 1855, 1950, 1955.

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JD 2950, 38" rubber, excellent
JD 2550 w/loader
JD 4240, cab & air, quad range
JD 2940, cab & air
JD 2940, 4 WD..... $15,500
JD 2940, 2 WD, sharp $13,000
JD 2840, excellent
JD 2640, 1980, sharp
JD 4430, power shift, fender tractor
JD 4030
JD 4020, p SOLD shift, side console
JD 4020, original paint, narrow front $6,750
JD 3020 diesel
Oliver 1850 diesel $6,000
IH 1066, New torque, excellent $7,500
IH 560 diesel
Farmall 340 w/2 btm. plow
AC 200.....$4,500
MF 124 baler w/kicker
JD 450 w/blade.....$8,750
JD 350B Crawler Loader
JD 450 Crawler Loader
JD 450B Crawler Loader
JD 450B w/6 way blade
JD 450C w/6 way Blade
JD 310A Backhoe, 78 model
Bobcat 825 diesel
Bobcat 643 diesel
Roll guard for 2950..... $650
JD roll guard cab.....$1,000

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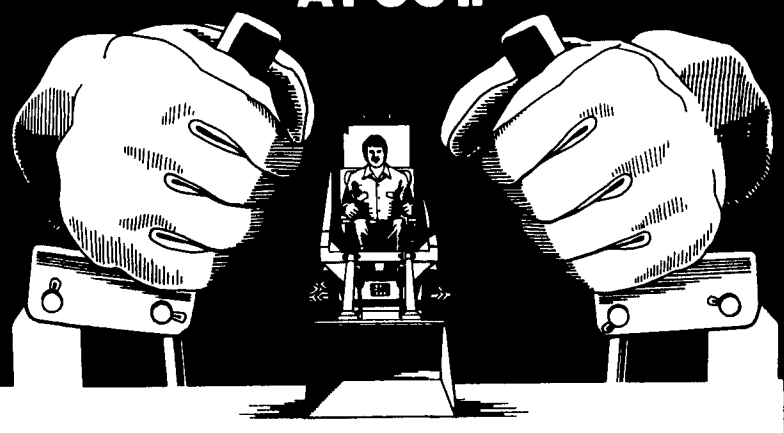

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- 1835C
- 1845C

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- Case 995 w/Cab
- Case 430
- Case 1030
- Case DC Tractor
- Case 2390 Tractor
- 1390 Case Tractor
- White 2-105 Tractor
- David Brown 990 w/Loader
- Oliver 1755
- IH 3388
- IH 3788

LOADERS
- Bobcat 731
- Case 1830
- Case 1845 Diesel
- Case 580D Loader Backhoe- Like New!
- Case 1830 Uni-Loader
- Owatanna Skid Loader—$1,500
- NH 555 Skid Loader
- JD 70 Skid Loader

HARVESTING EQUIPMENT
- Hesston 2000-150 Harvester
- NI Unisystem, 702 Diesel, 710 Combine & 760 Harvester
- NI 705 Uni-Tractor
- NI 768 3-Row Head
- NI 709 Uni-System
- NI 315 Sheller
- NI 737 Husking Bed
- NI 838 Husking Bed
- NI 767 Super Chopper
- NI 323 1-Row Corn-picker
- NI 325 12 Row Husking Bed
- Gehl 800 Harvester
- Int. 234 Picker
- NH 774 4-Row Cornhead

HAY EQUIPMENT
- IH 1190 Windrower
- NH 469 Windrower
- NH 479 Windrower
- NH 488 Windrower
- NH 499 Haybine
- Hesston PT 10
- Hesston 1010 Windrower
- Hesston 1090 Windrower
- Hesston 1091 Windrower
- Case 650 Windrower
- NI Rake
- NI 456 Round Baler
- NI 484 Round Baler
- IH 27 Baler
- IH 445 Square Baler
- NI 565 Square Baler
- 7 Hay Wagons
- Ford 618 Blower
- Hesston 620 12' Head

TILLAGE
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- IH 6-16 Auto Reset Plow
- IH 10 Ft. Disc
- Int. 2-Bot. Trailer Plow
- JD 18 Ft. Field Cult.
- 7-Tooth Soil Saver
- Case 16" Reset Plow, 6 Bottom
- Case Disc Harrow, 10'
- Case 13' Disk, F21
- JD 210 Disk
- Kawanee 10 Ft. Disk
- Oliver 22' Disk
- Oliver Disk
- Used Cultipacker
- Vicon Rotary Harrow

MISCELLANEOUS
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- King Wise 32' Elevator
- NH 36 ft. Elevator
- Gehl 99 Blower
- IH 56 Blower
- Automatic Roller Mill
- IH No. 10 13-Disc Drill
- JD 7000 4-Row Planter
- 4-Row Cole Corn Planter
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- Scavenger 1678 Manure Spreader
- NI 224 Spreader
- Gehl 350 Spreader
- Martin 1575 Spreader
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- Ontario Drill

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1984 Case 580E, 1200 hrs., standard backhoe, open rops
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1979 Bobcat 825, 42 HP Perkins diesel engine, good tires $6,750
1984 Case 480E tractor loader backhoe, 400 hrs. Call
1975 Cat 955L Crawler loader, GP bucket, $24,500
1979 Case 580C tractor loader backhoe with cab $12,900
1979 Case 450B crawler loader backhoe, $14,000

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Ford / New Holland

TRACTORS
Oliver 550 w/loader

HAY TOOLS
NH Super 68 w/Thrower
NH 273 Baler w/thrower
NH 55 Rake
NH 489 Haybine
NH 479 Haybine
IH 440 Baler w/No. 10 Thrower
MF 25 Rake

GRINDER MIXERS
IH 1150 Grinder Mixer
IH 1250 Grinder Mixer
Gehl 95

TILLAGE & PLANTING
IH 455 4 row planter
IH 400 4 Row Planter
Oliver 251 10' disk

SKID LOADERS
Mustang 1700

FORAGE
NH No. 23 Blower
NH 30 Blower

SPRAYERS
Geo. White 500 Gal. Tandem w/42' Boom

TRACTORS DISMANTLED FOR USED PARTS
Oliver 550
Oliver 77
Oliver 1650
Oliver 1955
Oliver 1750

LAWN & GARDEN
Cub Cadet 102 w/38" Mower
Bolens 1256 Lawn Tractor
Simplicity 6011 w/42" Mower

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NH 519 w/hydraulic endgate
NI 214 3 Btr.
NI 214 Single Btr. Hyd. Endgate

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USED TRACTORS

JD 4640, cab, air, power shift
1981 JD 4440, cab & air, excellent
JD 4440, 4 post, quad range
JD 4430, cab & air, sharp
JD 4240, cab, air, quad range
JD 4240, 4 post
JD 4040, cab, air, QR
JD 4040, 4 post, QR
JD 4230 fender tractor
JD 4230, cab & air
JD 2950, 175 hrs., like new
JD 2510
JD 2510 diesel, power shift
JD 2940, 4WD
JD 2940
JD 2750, cab & air, like new
JD 2750, 1,600 hrs.
JD 2550 w/loader
JD 2640
JD 2440
JD 2510 Gas
JD 2350
JD 2350 w/loader, 500 hrs.
JD 2150
JD 4320 w/cab
JD 3020 diesel
JD 4020 w/side console
JD 950

JD 830, 3 cylinder
IH 3288 w/500 hrs.
IH 1066, cab & air
IH 686 gas, 1,200 hrs., like new
IH 140 w/cultivator
IH 766
IH 826 diesel
IH 884, like new
IH 674 w/2250 loader
Ford 6700, 600 hrs.
Ford 4610, like new, 690 hrs.
Ford 4000 SU
Ford 3400 w/loader
Ford 2600 w/800 hrs.
Ford 2000
Ford 3000
AC 210 diesel
MF 265 w/loader
MF 235
Kubota 305 DT, 4WD w/loader, 600 hrs.

1987 Deutz Allis 7120, used 200 hrs.

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High Clearance, 4WD, Like New

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MF 200 crawler loader
1979 IH dump truck w/DT466, new 5 to 7 yard dump body
MF 40B forklift
Gehl 4610 diesel, skid steer, 500 hrs.
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NH 335 skid steer
Gehl 4510 skid steer
New Gehl 360 skid steer loader
NH 785 skid steer, like new
Ford 420 backhoe w/cab
Ford 3400 backhoe

USED PLOWS

Int. 5 btm. 16" spring reset plow
White 6 btm. 16" plow
Int. 4 btm. rollover
Large selection of 3 to 7 btm. plows

USED COMBINES

244 JD corn heads
444 JD corn heads
443 & 643 corn heads
JD 6620 hydro
JD 4400 diesel
JD 3300 diesel, used 1,000 hrs.
JD 4400 diesel, 1,500 hrs., sharp
1978 JD 7700 hydro, excellent

USED PLANTERS

JD 7000 4 row liquid, conservation
Used Moore no-till grain drill
JD 1240 plate planter, like new
New Woods 315 Bat Wing mower
New Woods 12' Bat Wing

HAY EQUIPMENT

JD 337 w/thrower
New JD 327 baler
JD 346 w/thrower
JD 1207 7' haybine
IH 7' haybine, like new
NH 488 haybine
NH 1033 bale wagon
NH 1010 bale wagon

MISCELLANEOUS

Large selection of smaller discs
NI 2 row narrow, 12 roll bed
NI Super Sheller, like new
NI 323 1 row picker
NI 2 row wide, 12 roll bed
Kewanee hydraulic fold 21' disc
JD 14' plowing disc
Moridge grain dryer, 400 bu.
1980 Ford 350 rollback, 15' alum. body
4 row Danish tine cultivator
Int. 2355 loader

1980 GMC Tandem w/26' Jer-Dan Roll Back Body

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FMC 1010 high pressure sprayer, 300 gallon SS tank, electric hose reel, Lombardini diesel engine w/starter, on trailer, unit completely overhauled $2,200

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5211-0, 43 HP $6,950
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8111-0, 72 HP $9,950
7745-2, 65 HP 4 WD..... $14,750
12145-2, 108 HP 4 WD..... $19,950

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Dismantling Combines for parts over 400 all makes and models
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All Combines Sold— free parts for one season if in our parts lot.

IH: 915, 815, 715, 615, 315, 205, 203, 503, 403, 303, 93, 91, 151, 101, 141, 127, 125, 105, 82, 76, 74. JD: 7700, 6600, 4400, 3300, 105, 95, 55, 45, 40, 30, 25, 12A. MF: 510, 410, 300, 205, 35, 92, 82, 72, 90, 80, 70, 60, 27, 26. AC: Gleaner, F, L, M, K, G, E, C, C2, A, 60, 66, 100 Oliver: 545, 535, 525, 430, 40, 35, 33, pull type. NI: Uni, 710 Combine, Huskers, 705, 702, 701, Combine shellers & harvesters. Ford 622, 630, pull type. Case: 1160, 960, 700, 660, 600. NH: 975, 985, TR70. MM: 5297, 3496, MM Uni, White 8600, Field Boss, 7300, Massey 750D, Straw Spreaders & Choppers; JD 7720, Motors, transmissions, tires, corn & grain heads.

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75 To Choose From
(2) JD 45 w/10' Grain & 2R
JD 55 w/12' Grain, $2,000
JD 45 Rback w/10' hume reel, nice, $1,875
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JD 6600 gas, rotary screen w/grain, $5,000
JD 4400 diesel, rotary screen, $7,000
(2) JD 40 w/10' grain & 2R
JD 45 square back w/2R 10' grain & cab
1977 JD 6600 side hill w/6R 30" & 14' grain, $19,500
JD 6600 rotary screen diesel w/grain, $7000
JD 6600 w/grain, $7,000
JD 3300 gas w/2 heads
AC E w/10' grain & 2R
AC FKS dsl. w/heads $7000
AC Gleaner F2, hydro diesel w/heads
AC F2 diesel w/grain saver, 13' grain head, choice of 4R 30" or 4R 38" corn head, A1 cond., real nice, one owner
AC Gleaner M Dsl. Hydro grain saver w/4R 30" black corn head & 12' grain, $13,500
AC C2 diesel w/grain 4R 38" & 4R 30"
AC Gleaner FKS gas w/2 heads
AC late C2 w/grain & 4R corn, $3,950
Gleaner F2 w/heads
Gleaner K w/10' grain & 2R corn, $4,000
(2) C-2 Gleaners w/4RW for 4RN & grain head
MF late 760 V8 diesel hydro w/4 or 6 row corn & grain
Massey 72 w/12' Grain
Massey 82, $1,200
Massey 35, 8' head
MF 760D hydro w/heads
MF 550 hydro, dsl., choice of heads
(3) MF 510 diesel w/head
(4) MF 410 diesel w/heads
MF 510 diesel, hydro w/ heads
MF 410 diesel, hydro w/ heads
(3) MF 300 gas, cabs & heads
MF 300 cab, 12' grain, 3R 30" & 2R 38" corn, nice shape
MF 300 diesel, quick tach w/ heads
MF 82 2R corn & 12' grain
1983 MF 850, 28x26 tires
1177 hrs., silver cab w/ grain 6R 30" or 4R 38", clean, one owner.
Late MF 750 hydro diesel, just had $4,000 spent on it last fall, real nice
IH 91 w/grain & 2R corn
IH 1460 diesel hydro w/4 or 6 row corn & grain
IH 141 w/12' grain, 2 row corn, 1 owner, nice
IH 1460 axle-flow w/820 grain head & choice of 4 or 6R corn
IH 1440 Axle Flow Combine w/grain & 4R corn
IH 915 diesel, turbo, hydro w/ grain & 4 or 6R head, $13,000.
IH 815 dsl., hydro, late profile w/810 grain head & 844 4R corn
IH 615 gas w/810 flex, 2 or 3R corn
IH 403, gas, cab, 4R 30" & grain head
IH 205 w/grain 3R, 30" or 2R 38"
IH 76 pull type, PTO w/bin
IH 715 hydro diesel w/grain & corn
IH 715 gas w/13' grain & 4R 30" corn
IH 203 w/grain & corn
1983 NH TR85 hydro Cat. V8 diesel w/grain & 4R corn, low hrs.
NH TR70 Cat. diesel, 4 row 30", 13' grain
NH TR70 Twin Rotary, Cat. dsl., cab, air, radio, 28x26 rubber, low hrs., nice
NH TR70 Rotary, hydro V8 Cat. dsl. w/12' flex & choice of 4R 30" or 6R 30" or 4R 38" corn
NH 1400 w/grain & 4R 38" corn, $6,000
(2) Case 600, 10' Grain & 2R or 3R Corn

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(2) off-set discs from 8' to 11'
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JD 12' heavy duty disc, $2500
JD RWA 13' wheel
4 IH 37 10' to 13'
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JD 15' field cultivator
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10 & 12 tooth trailer chisel plows
3PT 8' disc
8, 10, 12, & 14' Wheel Disc
7 & 8' drag discs
Good selection of wheel discs

CORN HEADS

TRACTORS
JD 70 gas, 3PT
(3) Ford 850 gas, 3PT
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Fordson Silver King
AC 190, gas, WF, 3PT
AC Road Grader, good running, new paint
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Farmall Cub, hyd. w/IH belly mower
Late Farmall M
Farmall F20
Farmall Super M w/WF, $1,375
Farmall M, late model
Farmall Super A w/plow & C mower
Farmall 100 w/1 row cultivator
Oliver 550, PS, 3PT
Oliver 1600 gas w/3PT
Oliver Crawler w/Roll Guard
IH 656 gas, WFE w/IH loader
IH 3444 industrial dsl. w/3PT & loader
IH 340 gas w/loader
IH 450 gas, PS
IH 350, diesel w/PS
IH 504, power steering, 3PT
IH Hough Payloader
IH 400 Dsl. w/power steering
IH 674 dsl., row crop, 65hp
Yale 3000 forklift, needs trans. work, $800
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Massey Pony

WIDE FRONT ENDS
Oliver 1800
Farmall M
Super M
Ford 6000
MF 65
Massey 44 & 444
Massey 101, 30 & 33
IH WFE (2), fits 460, 560, 656, 666, 706, 806, 756, 856

SPREADERS
IH 540 w/hyd. gate, $1375

CORN PICKERS

GRAIN HEADS

ROTARY MOWERS
IH 12' pull type
Woods 12' pull type
Ford 6' pull type
JD 12' pull type, $2,000
2 Woods 7' trailer
20 New 6' 3PT IHMC
3 pt. 6, 7 & 8'
Also pull types.

PLOWS
JD 10 tooth trailer type chisel plow
JD 1450 Hillside Hitch 4x16, nice
JD 4 & 5 btm.
IH 3, 4 & 5 btms.
Ford & JD 3PT 2-btm.
Oliver 6-btm. 16" on land hitch
Ford 3-btm. 16", auto reset
15 plows, 2 to 7 bottom

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Case late 555 same as Hesston PT10
Hesston 10' hydro-swing center pivot hitch, $2850

MISC.
1970 IH TT cabover w/250 Cummins engine w/1976 Trail Eze 48' combine trailer, all in good shape, $12,500

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Post Hole Diggers
Snow, Dirt, Manure Blades
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Harvesters and Corn Heads for Parts

IH. TD5 Crawler, 1256, 1066, 966, 856, 666 Hydro, 806, 706, 660, 656, 560, 504, 404, 460, 450, 444, 400, 350, 340, 300, 240, 230, 200, MTA, M, H, C, BN, A, Cub, 154 Cub, F30, F20, F14, F12. JD: M, 4020 dsl., 4010, 3020 dsl , 3010, 2020 Dsl , 2010, 720, 70, 60, 50, A, B. AC 180, D14, D15, D17, D19, WD, WC, CA, C, B MF 1155, 90, 85, 444, 333, 65, 44, 33, 30, 20 Case 600, 300, DC, SC, VAC Ford. 6000, 4500, 4100, 4000D, 960, 861, 860, 800, 800, 641, 600, 8N, 9N. Oliver OC3 Crawler, 1800, 880, 88, 77, 70, 66, 60 MM 5 Star, R, Z, E3 Coop.

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NH 519 Spreader
NH 676 Manure Spreader
NH 822 Corn Head
Butler 280 Ensilmixer Stainless Steel Lined
NH 1495 Haybine, Cab, Air
NH 718 Harvestor
NH 258 Rake
NH 310 SS Baler

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MF 375, 4 WD
MF 375, 2 WD w/cab
MF 283, Price Conscious Tractor
MF 253, Price Conscious Tractor
MF 240's available
MF 1030 turf, 2 WD, Call for special price
MF 126 Spin Disc Mower
MF 233 Disc
MF SOLD Baler
MF 724 Manure Spreader, Special Price
Groban Portable Generator 120V 18.9A 2.25 KW $495
UFT Grain Head Trailer $1,395

USED COMBINES

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MF 750 Hydro $9,800
MF 35, Pull-type, 8' cut $875
MM 12' self-propelled $875
Ford SP, 10' w/Grain head $1,475
JD 780 SP mower conditioner $1,495
JD 435W Cornhead $595

USED TRACTORS

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Farmall A with Woods Mower $1,950
Speedex 18 horse with blade & 48" Mower $2,150
MF 130 $2,750
MF 50D tractor backhoe loader $8,895

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MF 427 No Till Drill Weighted $9,800
MF 645 Round Baler w/Auto Weave $9,895
MF 1143 Corn Head $5,895
MF 1163 Corn Head $6,895
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J.D. 14' Disc $1,475
MF 82 4x16 Plow $795
MF 10 Baler $895
JD bar rake $425
IH 45 baler, as is $195
IH 3x16 pull plow $325
IH Cub plow $145
White 7x15" row air planter $1,475
NH 12' grain head $575
NH 2 row corn head $695
AC 14' forage box with trail gear $875
NI forage box with running gear $875

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TRACTORS

JD 755, 4WD
JD 855 2 & 4 WD
JD 750, 4WD
JD 850, 2WD & 4WD
JD 950, 2WD & 4WD
JD 900 HC
JD 655, 4WD
JD 2755
JD 2955 SG 4WD

PLANTING EQUIPMENT

JD 7000 Cons. Pltr. 6R
JD 7200, 4R Vacuum Planter
JD 7200, 6R Vacuum Planter

TILLAGE EQUIPMENT

JD 1010 Field Cult.
JD 710 Mulch Tiller, 8'9"
JD 415 Rotary Hoe

HAY TOOLS

JD 338, 348T Baler
JD 662 Rake
JD 1217, 1219 Mower Conditioner

OTHER EQUIPMENT

JD 175, 245 Loader
JD 506, 603, 709, 1508 Rotary Cutters
JD 350, 450 Spreader

USED EQUIPMENT

JD 3300 Combine w/13' Platform
IH 715 Combine w/743 C.H. & 810 Platform
AC 8030 Tractor w/ Cab, PS, 2385 Hrs.
JD 950 Roller Harrow 12'
Fox 2000 Field Harvester w/2RW C.H. & 7' Mower Bar
JD 7000, Conservation 6R Planter, Dry Fert., Dual Rate Monitor
NH 276 Baler w/Thrower
NH 275 Baler w/Thrower
NH 273 Baler
JD 215 Disk Harrow, 14'3"

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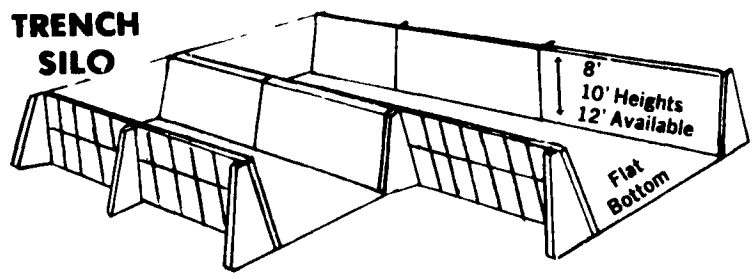

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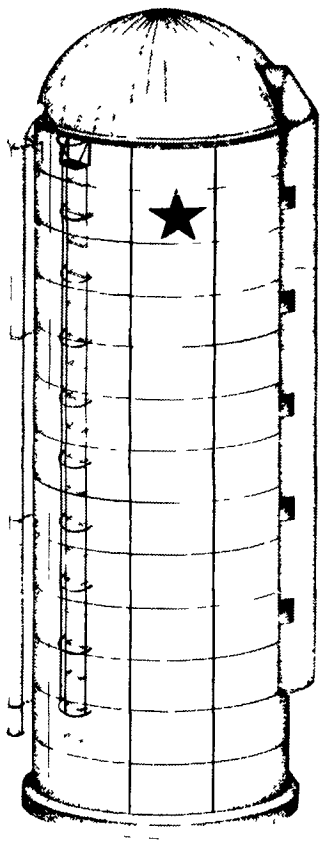

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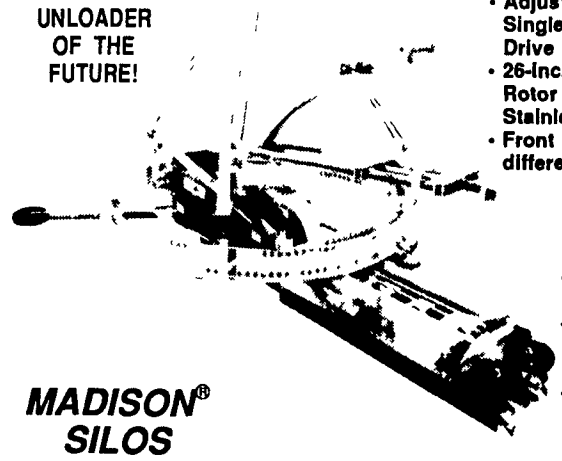

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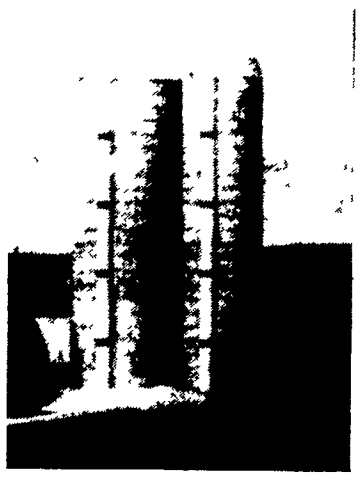

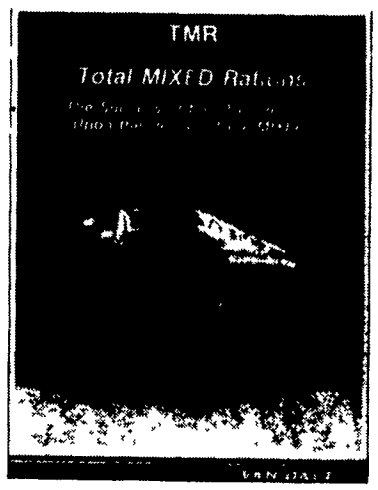

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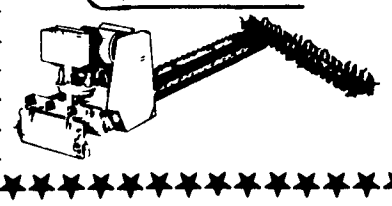

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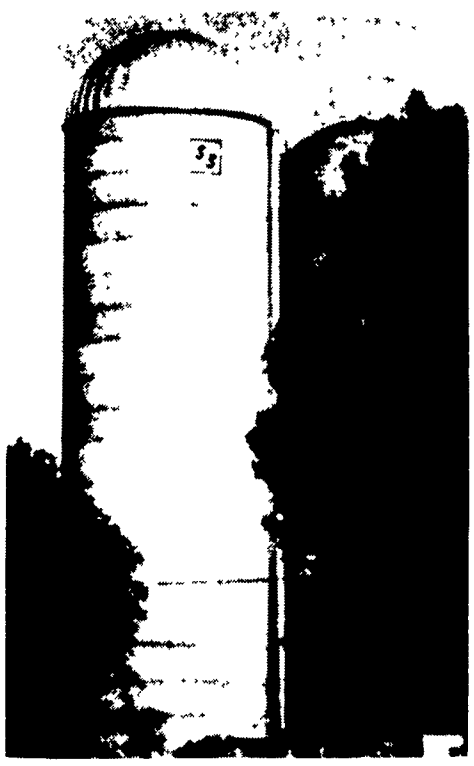

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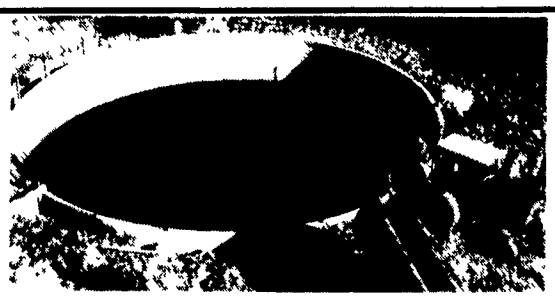

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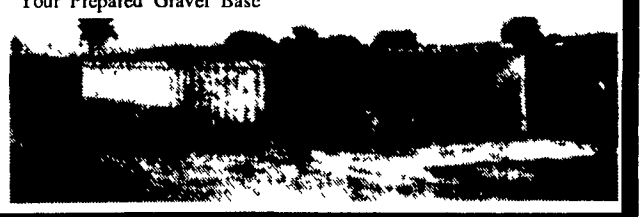

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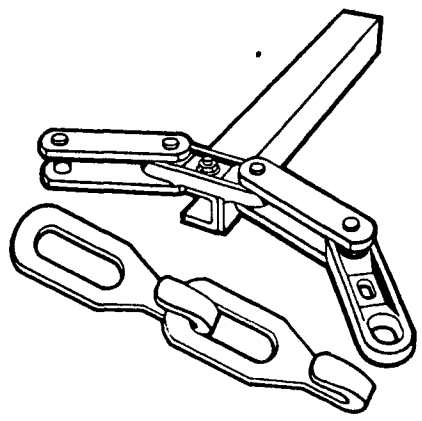

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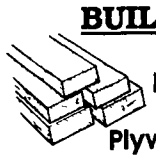

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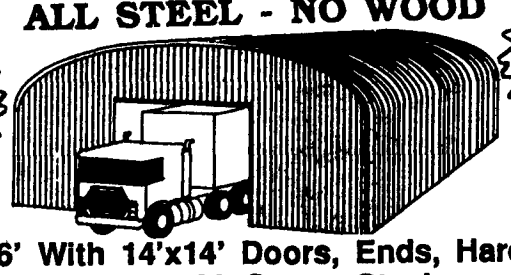

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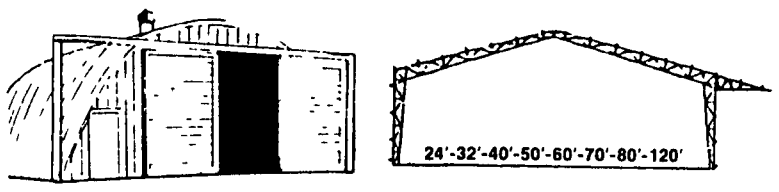

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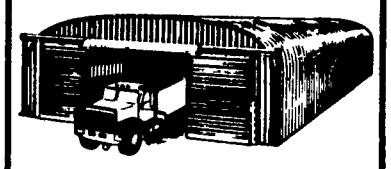

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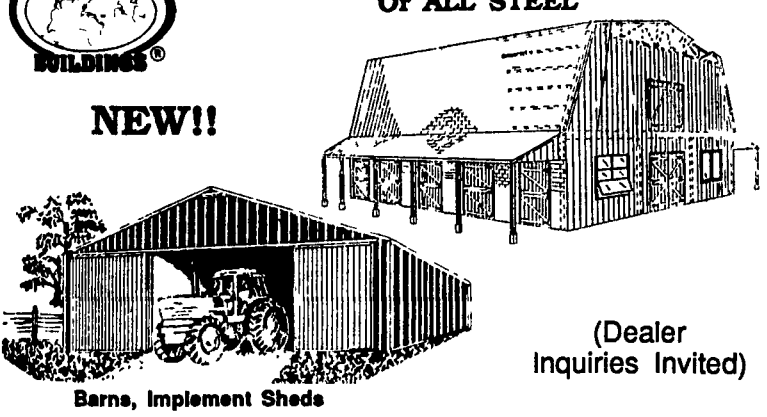

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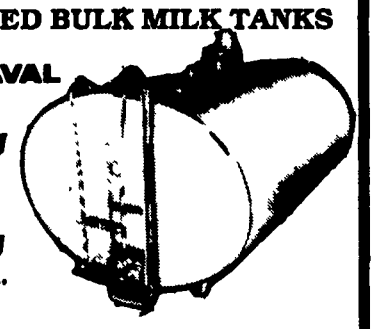

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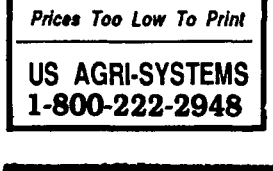

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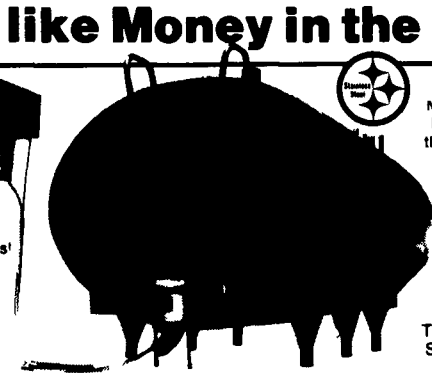

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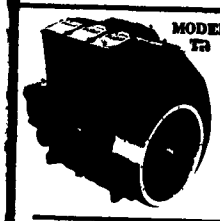

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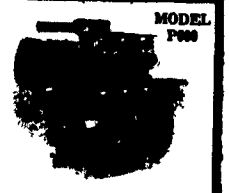

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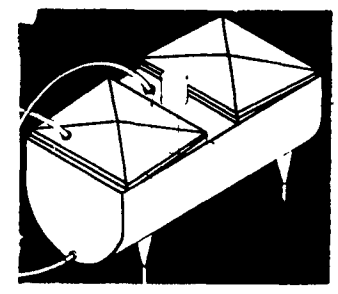

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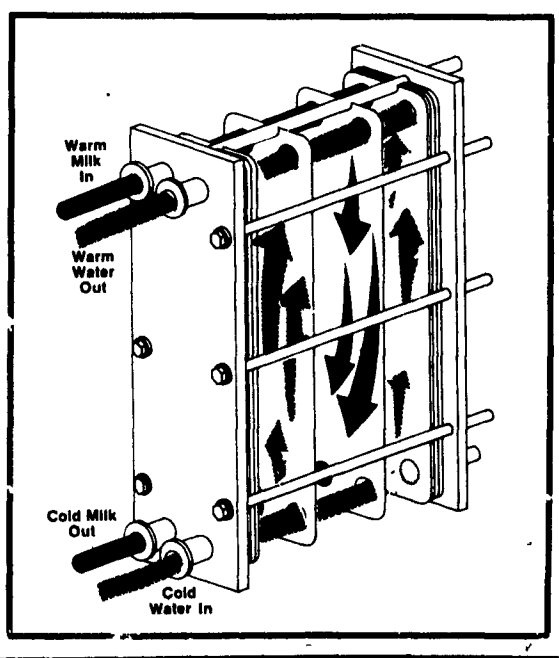

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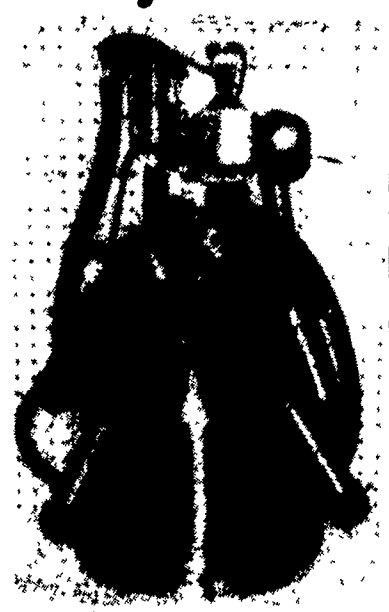

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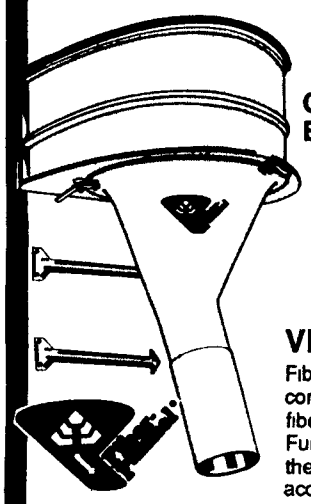

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